



Microsoft

Exam Questions 70-480

Programming in HTML5 with JavaScript and CSS3

NEW QUESTION 1

You are developing a customer web form that includes the following HTML.

```
<input id="txtValue" type="text" />
```

A customer must enter a valid age in the text box prior to submitting the form. You need to add validation to the control.

Which code segment should you use?

- ☐ A.

```
function validate() {  
    var value = $("#txtValue").text();  
    var regex = /^[0-9]*$/;  
    if (!regex.test(value) || name == "")  
        alert("please enter valid value");  
    return;  
}
```
- ☐ B.

```
function validate() {  
    var name = $("#txtValue").val();  
    if (name == null || name == "")  
        alert("please enter valid value");  
    return;  
}
```
- ☐ C.

```
function validate() {  
    var name = $("#txtValue").text();  
    if (name == null || name == "")  
        alert("please enter valid value");  
    return;  
}
```
- ☐ D.

```
function validate() {  
    var value = $("#txtValue").val();  
    var regex = /^[0-9]*$/;  
    if (!regex.test(value) || value == "")  
        alert("please enter valid value");  
    return;  
}
```



```
return emailPattern.test(userinput);  
}
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

Explanation:

.val

Return value

A string containing the value of the element, or an array of strings if the element can have multiple values

NEW QUESTION 2

DRAG DROP

You are developing a form that captures a user's email address by using HTML5 and jQuery.

The form must capture the email address and return it as a query string parameter. The query string parameter must display the @ symbol that is used in the email address.

You need to implement this functionality.

How should you develop the form? (To answer, drag the appropriate code segment to the correct target or targets in the answer are

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

* The serialize() method creates a URL encoded text string by serializing form values.

You can select one or more form elements (like input and/or text area), or the form element itself. The serialized values can be used in the URL query string when making an AJAX request.

Example: \$("form").serialize();

* decodeURIComponent

The decodeURIComponent() function decodes a URI component. Return Value: A String, representing the decoded URI

Incorrect:

Not decodeURI:

decodeURI is intended for use on the full URI.

decodeURIComponent is intended to be used on .. well .. URI components that is any part that lies between separators (; / ? : @ & = + \$, #).

Reference: jQuery serialize() Method http://www.w3schools.com/jquery/ajax_serialize.asp http://www.w3schools.com/jsref/jsref_encodeuri.asp

NEW QUESTION 3

HOTSPOT

You are developing a web application that retrieves data from a web service. The data being retrieved is a custom binary datatype named bint. The data can also be represented in XML.

Two existing methods named parseXml() and parseBint() are defined on the page. The application must:

Retrieve and parse data from the web service using binary format if possible

Retrieve and parse the data from the web service using XML when binary format is not possible You need to develop the application to meet the requirements.

What should you do? (To answer, select the appropriate options from the drop-down lists in the answer area.)

```
var request = $.ajax({  
    uri: '/',
```

```
dataFilter: function (data, type) {
```

```
    return parseBint(data);  
    else  
        return parseXml(data);  
    },  
    success: function (data) {  
        start(data);  
    }  
});
```

```
var request = $.ajax({  
    uri: '/',
```

```
dataFilter: function (data, type) {
```

```
    return parseBint(data);  
    else  
        return parseXml(data);  
    },  
    success: function (data) {  
        start(data);  
    }  
});
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
* accepts : 'application/bint, text/xml'
accepts:'application/bin,text/xml' to accept only XML and binary content in HTML responses.
* Use the following condition to check if the html response content is binary: If(request.getResponseHeader("Content-Type")==="application/bint"
* var request = $.ajax({ uri:'/',
accepts: 'application/bint, text/xml', datafilter: function(data,type){
if(request.getResponseHeader("Content-Type")==="application/bint") return parseBint(data);
else
return parseXml();
},
success: function (data) { start(data);
}
});
```

NEW QUESTION 4

You are developing a customer web form that includes the following HTML.

```
<input id = "txtValue" />
```

A customer must enter a value in the text box prior to submitting the form. You need to add validation to the text box control.

Which HTML should you use?

- A. <input id="txtValue" type="text" required="required"/>
- B. <input id="txtValue" type="text" pattern="[A-Za-z]{3}" />
- C. <input id="txtValue" type="required" />
- D. <input id="txtValue" type="required" autocomplete="on" />

Answer: A

Explanation:

Definition and Usage

The required attribute is a boolean attribute.

When present, it specifies that an input field must be filled out before submitting the form. Example

An HTML form with a required input field:

```
<form action="demo_form.asp">
```

```
Username: <input type="text" name="username" required>
```

```
<input type="submit">
```

```
</form>
```

Username: <input type="text" name="username" required> Reference: HTML <input> required Attribute http://www.w3schools.com/tags/att_input_required.asp

NEW QUESTION 5

DRAG DROP

You are developing a web page for runners who register for a race. The page includes a slider control that allows users to enter their age.

You have the following requirements: All runners must enter their age.

Applications must not be accepted from runners less than 18 years of age or greater than 90 years. The slider control must be set to the average age (37) of all registered runners when the page is first displayed.

You need to ensure that the slider control meets the requirements.

What should you do? (To answer, drag the appropriate word or number to the correct location in the answer area. Each word or number may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

range

slider

0

18

90

100

37

avgAge()

default

value

required

optional

```
<input type=" "
      min=" " max=" "
      step="5"  = " "
      />
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1-3: The <input type="range"> is used for input fields that should contain a value within a range. Example

<input type="range" name="points" min="0" max="10"> Box 4-5: Use the value attribute to set the default value Box 6: Definition and Usage

The required attribute is a boolean attribute.

When present, it specifies that an input field must be filled out before submitting the form.

Example

Username: <input type="text" name="username" required> Reference: HTML Input Types http://www.w3schools.com/html/html_form_input_types.asp

NEW QUESTION 6

You are developing an HTML5 web application that displays the current temperature whenever a button is clicked. The following code provides this functionality.

```
function Loader() {
    this.status = "ready";
    this.temp = 50;
    this.updateStatus = function (newStatus) {
        status = newStatus;
    };
}

var loader = new Loader();

$(function () {
    $("#loadTemp").click(function (eventData) {
        loader.temp = loadTemp();
        loader.updateStatus("done");
    });
});
```

When the temperature is loaded, the status property on the loader instance does not change.

You need to ensure that the status property on the loader instance is updated when the temperature is loaded.

Which code segment should you use to replace the Loader function?

- ☐ A.

```
function Loader() {  
    this.status = "ready";  
    this.temp = 50;  
    this.updateStatus = function (newStatus) {  
        this.status = newStatus;  
    };  
}
```
- ☐ B.

```
function Loader() {  
    this.prototype.status = "ready";  
    this.temp = 50;  
    this.updateStatus = function (newStatus) {  
        this.status = newStatus;  
    };  
}
```
- ☐ C.

```
function Loader() {  
    status = "ready";  
    this.temp = 50;  
    this.updateStatus = function (newStatus) {  
        status = newStatus;  
    };  
}
```
- ☐ D.

```
function Loader() {  
    window.status = "ready";  
    this.temp = 50;  
    this.updateStatus = function (newStatus) {  
        status = newStatus;  
    };  
}
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

Explanation:

Incorrect:

not D: window.status property

The status property sets the text in the status bar at the bottom of the browser, or returns the previously set text.

NEW QUESTION 7

You are creating a class named Consultant that must inherit from the Employee class. The Consultant class must modify the inherited PayEmployee method. The Employee class is defined as follows.

```
function Employee() {}  
Employee.prototype.PayEmployee = function () { alert('Hi there!');  
}
```

Future instances of Consultant must be created with the overridden method. You need to write the code to implement the Consultant class.

Which code segments should you use? (Each correct answer presents part of the solution. Choose two.)

- A.

```
Consultant.PayEmployee = function () { alert('Pay Consultant'); }
```


B.

```
Consultant.prototype.PayEmployee = function () { alert('Pay Consultant'); }
```


C.

```
function Consultant () { Employee.call(this); }  
Consultant.prototype = new Employee();  
Consultant.prototype.constructor = Consultant;
```


D.

```
function Consultant() { Employee.call(this); }  
Consultant.prototype.constructor = Consultant.create;
```

Answer: BC

Explanation:

Returns a reference to the Object function that created the instance's prototype. Note that the value of this property is a reference to the function itself, not a string containing the function's name. The value is only read-only for primitive values such as 1, true and "test".

* The constructor property is created together with the function as a single property of func.prototype.

Reference: Object.prototype.constructor

NEW QUESTION 8

You are modifying an existing web page. The page is being optimized for accessibility. The current page contains the following HTML.

```
<ul>
  <li><a href="">Home</a></li>
  <li><a href="">Sales</a></li>
  <li><a href="">Operations</a></li>
</ul>
```

Standards-compliant screen readers must be able to identify the links contained within the navigation structure automatically.

You need to create the navigation link structure in the page.

With which container tags should you wrap the existing markup?

- A. <navmap></navmap>
- B. <div id="nav"></div>
- C. <nav></nav>
- D. <map></map>

Answer: C

Explanation:

HTML <nav> Tag Example

A set of navigation links:

```
<nav>
<a href="/html/">HTML</a> |
<a href="/css/">CSS</a> |
<a href="/js/">JavaScript</a> |
<a href="/jquery/">jQuery</a>
</nav>
```

Reference: HTML <nav> Tag http://www.w3schools.com/tags/tag_nav.asp

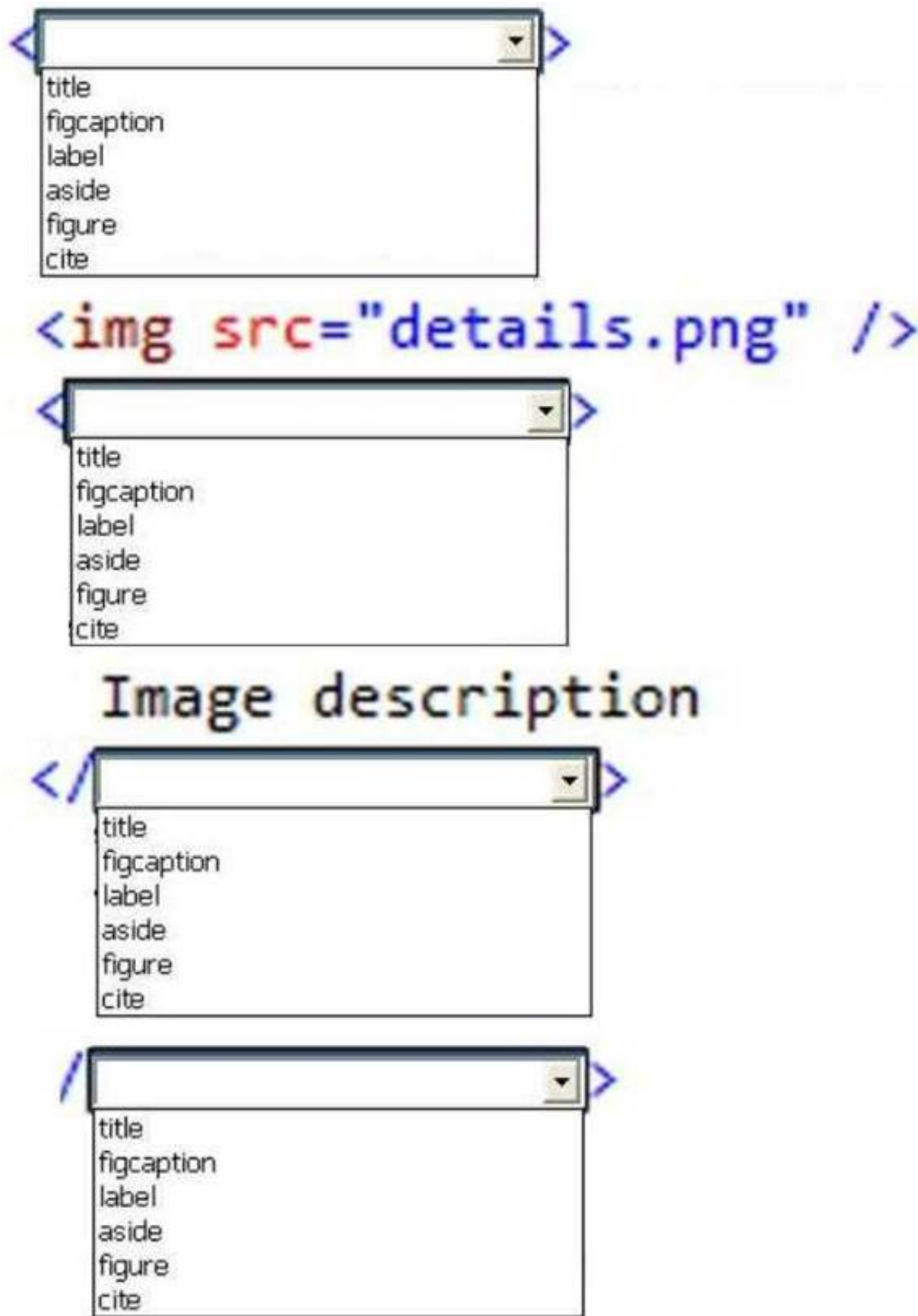
NEW QUESTION 9

HOTSPOT

You are developing an HTML5 web application for displaying encyclopedia entries. Each encyclopedia entry has an associated image that is referred to in the entry. You need to display the image by using the correct semantic markup.

What should you do? (To answer, select the appropriate options from the drop-down list in the answer area.)

Image description



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The <figure> element

The <figure> element is intended to be used in conjunction with the <figcaption> element to mark up diagrams, illustrations, photos, and code examples (among other things).

Example:

```
<figure>

<figcaption>A cheeky macaque, Lower Kintaganban River, Borneo. Original by <a href="http://www.flickr.com/photos/rclark/">Richard Clark</a></figcaption>
</figure>
```

Reference: The figure & figcaption elements

NEW QUESTION 10

You are developing an HTML5 page that has an element with an ID of logo. The page includes the following HTML.

```
<div> Logo:<br>
<div id="logo">
</div>
</div>
```

You need to move the logo element lower on the page by five pixels.

Which lines of code should you use? (Each correct answer presents part of the solution. Choose two.)

- A. document.getElementById("logo").style.position = "relative";
- B. document.getElementById("logo").style.top = "5px";
- C. document.getElementById("logo").style.top = "-5px";
- D. document.getElementById("logo").style.position = "absolute";

Answer: AB

Explanation:

* style.position = "relative";

The element is positioned relative to its normal position, so "left:20" adds 20 pixels to the element's LEFT position.

* For relatively positioned elements, the top property sets the top edge of an element to a unit above/below its normal position.

Example: Example

Set the top edge of the image to 5px below the top edge of its normal position: img {

position: relative; top: 5px;

}

Reference: CSS position Property; CSS top Property http://www.w3schools.com/cssref/pr_class_position.asp http://www.w3schools.com/cssref/pr_pos_top.asp

NEW QUESTION 10

You are creating a JavaScript function that displays the name of a web application. You declare the following button element.

<input type="button" id= "About" value="About" />

When a user clicks the button, a JavaScript function named About must be called.

You need to create an event handler that calls the About function when the button is clicked.

Which two code segments can you use? (Each correct answer presents a complete solution. Choose two.)

☐ A.

```
var button = document.getElementById("About");
ScriptEngine.call(button, About());
```

☐ B.

```
var button = document.getElementById("About");
ScriptEngine.bind(button, About());
```

☐ C.

```
var button = document.getElementById("About");
button.addEventListener("click", About);
```

☐ D.

```
var button = document.getElementById("About");
button.attachEvent("onclick", About);
```

A. Option A

B. Option B

C. Option C

D. Option D

Answer: CD

Explanation:

C: addEventListener

The addEventListener() method attaches an event handler to the specified element.

In context of a worker, both self and this refer to the global scope. The worker can either add an event listener for the message event, or it can define the onmessage handler to listen for any messages sent by the parent thread.

D: attachEvent method

Registers an event handler function (event listener) for the specified event on the current object.

Reference: addEventListener method; attachEvent method <http://help.dottoro.com/ljeuqqoq.php> <http://help.dottoro.com/ljinxrmt.php>

NEW QUESTION 13

HOTSPOT

You are creating a function by using JavaScript. The function accepts an object as the parameter and returns a string that identifies the data type of the object.

You have the following requirements:

The function must return "Number" if the object is a number. The function must return "String" if the object is a string.

The function must return "Unknown" if the object is neither a number nor a string. You need to implement the function to meet the requirements.

How should you build the code segment? (To answer, select the appropriate options from the drop- down lists in the answer area.)

```
function GetObjectType(obj) {
  default (obj.constructor) {
    default Number:
      return "Number";
    default ;
    default String:
      return "String";
    default ;
    default :
      return "Unknown";
  }
}

function GetObjectType(obj) {
  default (obj.constructor) {
    default
    switch
    break
    case
    default Number:
    default
    switch
    break
    case
      return "Number";
    default ;
    default
    switch
    break
    case
    default String:
    default
    switch
    break
    case
      return "String";
    default ;
    default
    switch
    break
    case
    default :
    default
    switch
    break
    case
      return "Unknown";
  }
}
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

* Use the switch statement to select one of many blocks of code to be executed.

Syntax switch(expression) {

case n:

code block break;

case n:

code block break;

default:

default code block

}

This is how it works:

The switch expression is evaluated once.

The value of the expression is compared with the values of each case. If there is a match, the associated block of code is executed.

* Object.prototype.constructor

Returns a reference to the Object function that created the instance's prototype. Note that the value of this property is a reference to the function itself, not a string containing the function's name. The value is only read-only for primitive values such as 1, true and "test".

* Description

All objects inherit a constructor property from their prototype: var o = {};

o.constructor === Object; // true var a = [];

a.constructor === Array; // true var n = new Number(3); n.constructor === Number; // true

* The constructor property is created together with the function as a single property of func.prototype.

Reference: JavaScript Switch Statement;Object.prototype.constructor

NEW QUESTION 17

You are developing an HTML5 web page.

The appearance of the text box must change when a user moves the focus to another element on the page.

You need to develop the page to respond to user action. Which line of code should you use?

- A. <input type="text" onblur="resetStyle(this);" />
B. <input type="text" onfocus="resetStyle(this);" />
C. <input type="text" onreset="resetStyle(this);" />
D. <input type="text" onselect="resetStyle(this);" />

Answer: A

Explanation:

Definition and Usage

The onblur event occurs when an object loses focus.

Example

Execute a JavaScript when a user leaves an input field:

<input type="text" onblur="myFunction()"> Reference: onblur Event http://www.w3schools.com/jsref/event_onblur.asp

NEW QUESTION 22

DRAG DROP

You are developing an online shopping application that accepts credit cards for payment. If the credit card number is invalid, the application must:

Generate an error

Assign "200" to the error number Assign "Invalid" to the error description

You need to write the code that meets the requirements.

How should you write the code? (To answer, drag the appropriate code segment or segments to the correct location in the answer area)

- A. Mastered
B. Not Mastered

Answer: A

Explanation:



Example: throw new Error(200, "x equals zero"); Reference: throw Statement (JavaScript)

NEW QUESTION 27

You are developing an HTML5 page that includes several paragraph elements. You have the following requirements:
Add a drop shadow that is one inch below the text in the paragraph Set the radius of the drop shadow to five pixels
You need to style the paragraphs to meet the requirements. Which CSS style should you use?

- A. text-shadow: 72pt 0pt 5pt
- B. text-shadow: 5px 1in 0px;
- C. text-shadow: 72pt 5em 0px
- D. text-shadow: 72pt 0em 5px;

Answer: D

Explanation:

D is the most correct.

Reference: CSS Text Module Level 3 <http://www.w3.org/TR/css3-text/#text-shadow> Note:

All options are incorrect nearest correct answers are B or D.

#obj {text-shadow: <x-offset><y-offset><blur-radius><color>; }

<x-offset> +n right -n left

<y-offset> +n bottom -n top

1 inch below means <y-ffset> is 1in or 72 pt Hence actually answer must be

0px, 1in, 5px or

0px, 72pt, 5px

NEW QUESTION 29

You are developing a web page. You create a grid layout by using the following CSS segment.

```
#myGrid {  
  display: -ms-grid;  
  background: gray;  
  -ms-grid-columns: 100px 100px;  
  -ms-grid-rows: 50px 50px 50px;  
}
```

You have the following requirements:

You must place content in the first column of the second row. The content must span two columns.

You need to ensure that the style of the grid meets the requirements. Which CSS segment should you use?

- ☐ A.

```
#itemSpan {  
  -ms-grid-row: 2;  
  -ms-grid-column: 1;  
  -ms-grid-column-span: 2  
}
```
- ☐ B.

```
#itemSpan {  
  -ms-grid-row: 2;  
  -ms-grid-column: 1;  
  -ms-grid-column-span: initial  
}
```
- ☐ C.

```
#itemSpan {  
  -ms-grid-row: 2;  
  -ms-grid-column: 1;  
  -ms-grid-column-width: 2;  
}
```
- ☐ D.

```
#itemSpan {  
  -ms-grid-row: 2;  
  -ms-grid-column: 1;  
  -ms-grid-column-span: inherit  
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

Explanation:

-ms-grid-column-span

Gets or sets a value that specifies the number of columns of the grid that the object spans. This property is read-only.

Property values

The number of columns.

Integer value that specifies the number of columns to span. Reference: -ms-grid-column-span property

NEW QUESTION 33

You are developing a web page by using HTML5. You have the following requirements:

An H1 element must be placed at the top left corner of the page.

The size and location of the H1 element must not change if additional elements are added to the page.

You need to position the H1 element on the page. Which CSS3 style should you use?

☐ A.

```
h1
{
  position: absolute;
  left: 0px;
  top: 0px;
}
```

☐ C.

```
h1
{
  position: static;
  left: 100%;
  top: 100%;
}
```

☐ B.

```
h1
{
  position: absolute;
  left: 100%;
  top: 100%;
}
```

☐ D.

```
h1
{
  position: static;
  left: 0px;
  top: 0px;
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

Explanation:

* The position property specifies the type of positioning method used for an element (static, relative, absolute or fixed).

absolute: The element is positioned relative to its first positioned (not static) ancestor element

* For absolutely positioned elements, the left property sets the left edge of an element to a unit to the left/right of the left edge of its containing element.

CSS Syntax

left: auto|length|initial|inherit;

length: Sets the left edge position in px, cm, etc. Incorrect:

position static: Default value. Elements render in order, as they appear in the document flow Reference: CSS position Property; CSS left Property

NEW QUESTION 35

You are styling a box object on a page by using CSS3. You need to set the transparency of the object to 50%.

Which two CSS3 styles will achieve the goal? (Each correct answer presents a complete solution.

Choose two.)

☐ A.

```
.Box {
  background: rgb(255,0,0);
  backface-visibility: hidden;
}
```

☐ B.

```
.Box {
  background: rgb(255,0,0);
  background: rgba(255,0,0,.5);
}
```

☐ C.

```
.Box {
  background: rgb(255,0,0);
  opacity: 0.5;
}
```

☐ D.

```
.Box {
  background: rgb(255,0,0);
  background-color: #fff;
}
```

- A. Option A

- B. Option B
- C. Option C
- D. Option D

Answer: BC

Explanation:

The RGBA declaration allows you to set opacity (via the Alpha channel) as part of the color value. Example:

```
div { background-color: rgba(255,0,0,0.5); }
```

The background color has been set to blue, and the opacity set to half. Example 2:

```
background-color: rgb(0,0,255); opacity: 0.5;
```

The background color has been set to blue, and the opacity set to half. Reference: A brief introduction to Opacity and RGBA <http://www.css3.info/introduction-opacity-rgba/>

NEW QUESTION 39

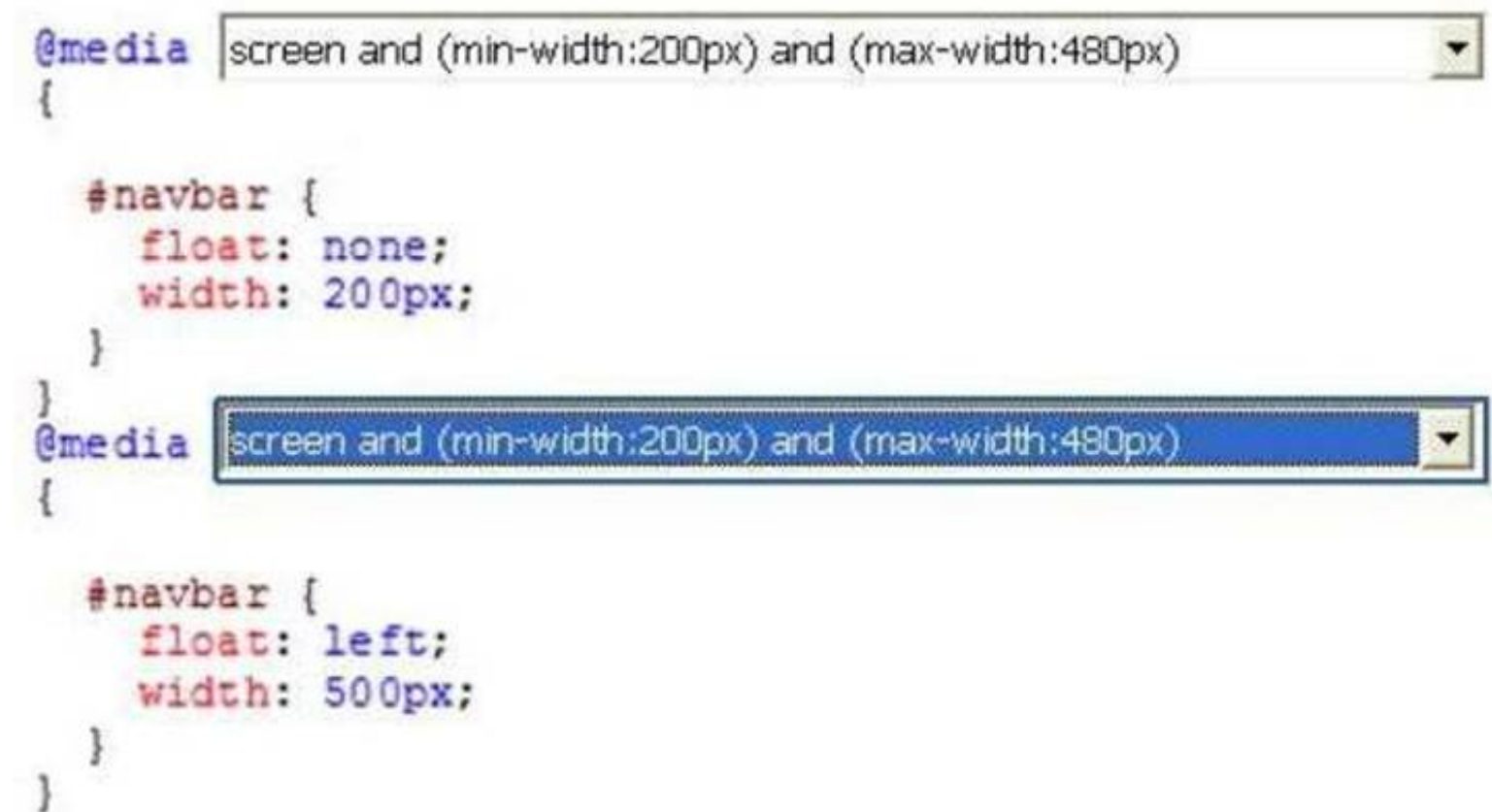
HOTSPOT

You are developing a web page that will be accessed from various types of devices. You have the following requirements:

The appropriate display resolution must be selected dynamically based on the device connecting to the page.

Mobile devices with a maximum width of 480 pixels must be able to use the page. You need to ensure that the page displays correctly on any device.

How should you build the code? (To answer, select the appropriate options from the drop-down lists in the answer area.)



```
@media screen and (min-width:200px) and (max-width:480px)
{
    #navbar {
        float: none;
        width: 200px;
    }
}
@media screen and (min-width:200px) and (max-width:480px)
{
    #navbar {
        float: left;
        width: 500px;
    }
}
```



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* The @media rule is used to define different style rules for different media types/devices. CSS Syntax
 @media not|only mediatype and (media feature) { CSS-Code;
 }
 * Media type: Screen
 Used for computer screens. Incorrect:
 Not size: there is no media type size.
 Reference: CSS3 @media Rule; CSS Media Types

NEW QUESTION 40

DRAG DROP

You are developing a website that has many web pages with hyperlinks to other sites.

You need to ensure that if a hyperlink contains an image, the linked web page opens in a new window.

Which jQuery code segment or segments should you use? (To answer, drag the appropriate line of code to the correct location. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)


```
$( "a img").each(function () {
$(this).parent().attr('target', '_blank')
$( "a").each(function () {
$(this).attr('target', '_blank')
```

Answer Area

```
<!DOCTYPE html>
<html>
<head>
  <title></title>
  <script src="http://code.jquery.com/jquery-latest.js">
  </script>
</head>
<body>
  <a href="http://www.microsoft.com">
    
  </a>
</body>
<script>
  $(document).ready(function () {
    [ ]
    [ ]
  });
});
</script>
</html>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* a img
 All elements that are descendants of an element.
 * (this).parent
 This is the element and is the parent.

NEW QUESTION 41

You are developing a page that includes text and an illustration. The web page resembles the following image.



You have the following requirements:

The illustration must be in the center of the page.

The text must flow around the left, right, top, and bottom of the illustration. You need to ensure that the layout of the web page meets the requirements. Which line of code should you use?

- A. -ms-wrap-flow: both;
- B. -ms-wrap-flow: clear;
- C. -ms-wrap-flow: maximum;
- D. -ms-wrap-flow: auto;

Answer: A

Explanation:

. -ms-wrap-flow

Gets or sets a value that specifies how exclusions impact inline content within block-level elements. Syntax
 -ms-wrap-flow: auto | both | start | end | maximum | clear both
 Inline flow content can flow on all sides of the exclusion.
 Reference: -ms-wrap-flow property
[http://msdn.microsoft.com/en-us/library/ie/hh673558\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/ie/hh673558(v=vs.85).aspx) <http://dev.w3.org/csswg/css3-exclusions/>

NEW QUESTION 44

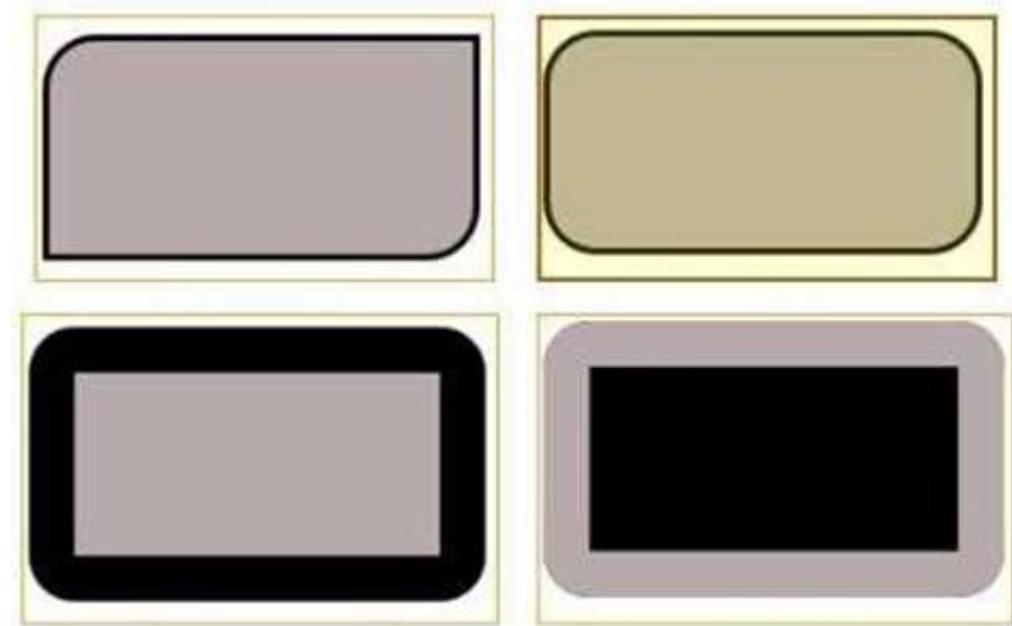
HOTSPOT

You are developing an HTML5 application for a company. You apply the following style to a DIV element on a page.

```
div
{
    border:3px solid;
    background:#b6aaaa;
    width:200px;
    height:100px;
    top: 10%;
    left:10%;
    border-radius:25px 0px 25px 0px;
}
```

You need to submit a draft illustration of the results of this code.

Which illustration should you submit? (To answer, select the appropriate illustration in the answer area.)



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Example: div {
 border: 3px solid; background: #b6aaaa; width: 200px;
 height: 100px; top 10%;
 left 10%;
 border-radius: 25px 0px 25px 0px;
 }

Result:



Reference: CSS3 border-radius Property

NEW QUESTION 49

You are developing a web page that will be divided into three vertical sections. The main content of the site will be placed in the center section. The two outer sections will contain advertisements.

You have the following requirements:

The main content section must be set to two times the width of the advertising sections. The layout must be specified by using the CSS3 flexible box model.

You need to ensure that the visual layout of the page meets the requirements. Which CSS3 property should you use?

- A. box-orient
- B. box-flex-group
- C. box-flex
- D. box-direction

Answer: C

Explanation:

box-flex

Values: 0 | Any integer

The flexibility ratio for this child. If a child had 1 and its sibling had 2, any additional space in the parent box would be consumed twice as much by the sibling. It defaults to 0 which is inflexible. Reference: Quick hits with the Flexible Box Model <http://www.html5rocks.com/en/tutorials/flexbox/quick/>

NEW QUESTION 52

You are developing an HTML5 page. The page includes the following code.

```
<p id="outer" style="position:relative">
  <p id="inner"></p>
</p>
```

The inner paragraph must be exactly 15 pixels from the top left corner of the outer paragraph. You set the left style for the inner paragraph to the appropriate value.

You need to set the position property of the inner paragraph. Which value should you use?

- A. absolute
- B. static
- C. fixed
- D. relative

Answer: A

Explanation:

absolute: The element is positioned relative to its first positioned (not static) ancestor element. Incorrect:

Not D:

relative: The element is positioned relative to its normal position, so "left:20" adds 20 pixels to the element's LEFT position.

Reference: CSS position Property http://www.w3schools.com/cssref/pr_class_position.asp

NEW QUESTION 56

You are developing a web form that includes the following HTML.

```
<input id="txtValue" type="text" />
```

You need to ensure that a value is entered into txtValue before the form is submitted. Which code segment should you use?

- ☒ A.

```
function validate() {
    var name = $("#txtValue").val();
    if (name == null || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ B.

```
function validate() {
    var value = $("#txtValue").val();
    var regex = /^[0-9,\.]*$/;
    if (!regex.test(value))
        alert("please enter valid value");
    return;
}
```
- ☐ C.

```
function validate() {
    var name = $("#txtValue").get();
    if (name == null || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ D.

```
function validate() {
    var value = $("#txtValue").get();
    var regex = /^[A-Za-z]{3}/;
    if (!regex.test(value) || value == "")
        alert("please enter valid value");
    return;
}
```

A. Option A

- B. Option B
- C. Option C
- D. Option D

Answer: A

Explanation:

* Input Text Object Properties include:

value: Sets or returns the value of the value attribute of the text field

* Check if text is a null value or an empty string. Incorrect:

not .get(): there is no input text object property get. Reference: HTML DOM Input Text Object

NEW QUESTION 59

HOTSPOT

You are developing a form that captures a user's email address by using HTML5 and jQuery.

The form must capture the email address and return it as a query string parameter. The query string parameter must display the @ symbol used in the email address.

You need to implement this functionality.

How should you develop the form? (To answer, select the appropriate options from the drop-down lists in the answer area.)

```
<!DOCTYPE html>
<html>
<head>
  <script src="http://code.jquery.com/jquery-latest.js"></script>
</head>
<body>
  <form>
    <input type="text" name="email" />
    <input type="submit" value="Submit" />
  </form>
  <script>
    $("form").submit(function () {
      var str;
      str = $("form").serialize();
      str = decodeURIComponent(str);
      str = $("form").contents.toString();
      str = $("form").toLocaleString();
      str = decodeURI(str);

      str = $("form").serialize();
      str = decodeURIComponent(str);
      str = $("form").contents.toString();
      str = $("form").toLocaleString();
      str = decodeURI(str);

      return true;
    });
  </script>
</body>
</html>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* serialize()

Encode a set of form elements as a string ready for submission. decodeURIComponent

* To decode the string, PHP offers the urldecode() function.

?

echo urldecode('name%40website.com'); //restores "name@website.com" Reference: JavaScript decodeURIComponent() Function

NEW QUESTION 60

You are developing a web page that consumes a Windows Communication Foundation (WCF) service. The page includes the following code segment. var xhr = new XMLHttpRequest();

The page uses the `xhrHandler()` method to listen for changes to the request status of the WCF service calls. It uses the `xmlToJavaScript()` method to convert the response from the WCF service to a JavaScript object.

The `xhrHandler()` method must be called automatically each time the request status changes. You need to add the event handler to the request object. Which line of code should you use?

- A. `xhr.onCallback = xhrHandler;`
- B. `xhr.onreadystatechange = xhrHandler;`
- C. `xhr.readyState = xhrHandler;`
- D. `xhr.status = xhrHandler;`

Answer: B

Explanation:

`onreadystatechange`: Sets or retrieves the event handler for asynchronous requests. Specifies a reference to an event handler for an event that fires at every state change `readyState`

Returns the state of the object as follows:

* 0 = uninitialized – `open()` has not yet been called.

* 1 = open – `send()` has not yet been called.

* 2 = sent – `send()` has been called, headers and status are available.

* 3 = receiving – Downloading, `responseText` holds partial data (although this functionality is not available in IE [3])

* 4 = loaded – Done.

/ Example (assuming that there is a function handler): `var oReq = getXMLHttpRequest();`

if (`oReq != null`) {

`oReq.open("GET", "http://localhost/test.xml", true); oReq.onreadystatechange = handler;`

`oReq.send();`

Reference: XMLHttpRequest object; XMLHttpRequest (XHR) [https://msdn.microsoft.com/en-us/library/ie/ms535874\(v=vs.85\).aspx](https://msdn.microsoft.com/en-us/library/ie/ms535874(v=vs.85).aspx)

<http://mrfwebdesign.blogspot.ca/2008/11/xmlhttprequest-xhr.html>

NEW QUESTION 64

You are developing an application that consumes an external web service that returns the latest stock rate.

The application has two methods:

The `getResults()` method makes an AJAX web service request

The `ShowRate()` method displays the stock rate from the web service response

You need to ensure that the `ShowRate()` method always displays the latest stock rate. Which code segment should you use?

- ☐ A

```
function getResults(){
$.ajax({
    type: 'POST',
    cache:true,
    url: "StockRates.asmx/GetRate",
    data: { 'StockName': stockName },
    dataType: 'json',
    success: function (result) {
        stockRate = result;
    });
    ShowRate();
}

function ShowRate() {
    alert(stockRate);
}
```
- ☐ B

```
var stockRate;
function getResults(){
$.ajax({
    async: false,
    type: 'POST',
    url: "StockRates.asmx/GetRate",
    data: { 'StockName': stockName },
    dataType: 'json',
    success: function (result) {
        stockRate = result;
    });
    ShowRate();
}

function ShowRate() {
    alert(stockRate);
}
```
- ☐ C

```
var stockRate;
function getResults(){
$.ajax({
    async: true,
    type: 'POST',
    url: "StockRates.asmx/GetRate",
    data: { 'StockName': stockName },
    dataType: 'json',
    success: function (result) {
        stockRate = result;
    });
    ShowRate();
}

function ShowRate() {
    alert(stockRate);
}
```
- ☐ D

```
var stockRate;
function getResults(){
$.ajax({
    async: false,
    cache:false,
    type: 'POST',
    url: "StockRates.asmx/GetRate",
    data: { 'StockName': stockName },
    dataType: 'json',
    success: function (result) {
        stockRate = result;
    });
    ShowRate();
}

function ShowRate() {
    alert(stockRate);
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

" always displays the latest stock rate ". Should use cache: false Note: cache (default: true, false for dataType 'script' and 'jsonp') Type: Boolean
If set to false, it will force requested pages not to be cached by the browser. Reference: jQuery.ajax()

NEW QUESTION 68

DRAG DROP

You are developing an application that reads information from a file. The application must:
Execute a block of code if there is an error accessing the file
Execute a second block of code whether or not there is an error accessing the file You need to ensure that the error handling requirements are met.
Which three statements should you implement in sequence? (To answer, move the appropriate statements from the list of actions to the answer area and arrange them in the correct order.)

catch(e)

debug

throw

try

finally

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

catch(e)

debug

throw

try

finally

try

catch(e)

finally

Explanation
The fileopen statement is put within the try clause. The catch(e) will catch a fileopen error.
The finally clause will be executed regardless of whether an error occurs in the try clause proceeding it

NEW QUESTION 69

HOTSPOT

You are developing an online shopping application that accepts credit cards for payment. If the credit card number is invalid, the application must:
Generate an error
Assign "200" to the error number Assign "Invalid" to the error description
You need to write the code that meets the requirements.
How should you write the code? (To answer, select the appropriate option from the drop-down list in the answer area.)

Work Area

throw

new

throw

(

throw

,

throw

)

;

Work Area

throw

throw

"Invalid"

200

Error

break

new

throw

throw

"Invalid"

200

Error

break

(

throw

throw

"Invalid"

200

Error

break

,

throw

throw

"Invalid"

200

Error

break

)

;

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Example: throw new Error(200, "x equals zero"); Reference: throw Statement (JavaScript)

NEW QUESTION 71

You are developing a web application that uses web workers to process images extracted from an HTML5 CANVAS object on a web page.

You need to pass messages between the web workers and the web page.

Which three types of objects should you use? (Each correct answer presents a complete solution. Choose three.)

- A. JSON
- B. Window
- C. Parent
- D. String
- E. JavaScript
- F. DOM

Answer: ADE

Explanation:

* Example:

```
var myHelloWorker = new Worker('helloworkers.js');
```

You'll then start the worker (and thus a thread under Windows) by sending it a first message: myHelloWorker.postMessage();

Indeed, the Web Workers and the main page are communicating via messages. Those messages can be formed with normal strings or JSON objects.

* (E) The Web Workers API makes it possible to execute a JavaScript file asynchronously and autonomously. A web worker is essentially a thread executing a JavaScript file.

* (A, D) In the first implementations of web workers the browsers only allowed strings to be exchanged as messages. However, recent implementations allow for exchange of values or JSON objects.

Reference: HTML5 Web Workers

NEW QUESTION 75

You are creating a class named Sedan that must inherit from the Car class. The Sedan class must modify the inherited fourDoor () method. The Car class is defined as follows.

```
function Car() {}  
Car.prototype.fourDoor = function () {  
    alert('four doors');  
}
```

Future instances of Sedan must be created with the overridden method. You need to write the code to implement the Sedan class.

Which two code segments should you use? (Each correct answer presents part of the solution. Choose two.)

- ☐ A.

```
Sedan.fourDoor = function ()  
{  
    alert('door count');  
}
```
- ☐ B.

```
Sedan.prototype.fourDoor = function ()  
{  
    alert('door count');  
}
```
- ☐ C.

```
function Sedan()  
{  
    Car.call(this);  
}  
Sedan.prototype = new Car();  
Sedan.prototype.constructor = Sedan;
```
- ☐ D.

```
function Sedan()  
{  
    Car.call(this);  
}  
Sedan.prototype.constructor = Sedan.create;
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: BC

Explanation:

* The Object.prototype property represents the Object prototype object.
* Object.prototype.constructor
Specifies the function that creates an object's prototype.
* Example:
Employee.prototype = new Person(); var Customer = function(name) { this.name = name;
};
Customer.prototype = new Person(); var Mime = function(name) { this.name = name;
this.canTalk = false;
};
Mime.prototype = new Person(); Reference: Object.prototype

NEW QUESTION 77

You are modifying a blog site to improve search engine readability.
You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A. <nav>
- B. <article>
- C.
- D. <div>

Answer: B

Explanation:

The <article> tag specifies independent, self-contained content.
An article should make sense on its own and it should be possible to distribute it independently from the rest of the site.
Potential sources for the <article> element: Forum post
Blog post News story Comment
Reference: HTML <article> Tag http://www.w3schools.com/tags/tag_article.asp http://www.w3schools.com/html/html5_new_elements.asp

NEW QUESTION 79

You are developing application web form by using HTML5 and JavaScript. You need to prevent users from submitting form data more than once. Which code segment should you use?

- ☐ A.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable(this)" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable(this)" />
  <script>
    function disable(ctrl) {
      ctrl.disabled = true;
    }
  </script>
</body>
```
- ☐ B.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable()" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable()" />
  <script>
    function disable() {
      this.disabled = true;
    }
  </script>
</body>
```
- ☐ C.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable()" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable()" />
  <script>
    function disable() {
      document.getElementById("btn" + this.name).disabled = true;
    }
  </script>
</body>
```
- ☐ D.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable(me)" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable(me)" />
  <script>
    function disable(ctrl) {
      ctrl.disabled = true;
    }
  </script>
</body>
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

Explanation:

* this, in disable(this), refers to the clicked button.

* The disabled attribute is a boolean attribute.

When present, it specifies that the <input> element should be disabled. A disabled input element is unusable and un-clickable.

The disabled attribute can be set to keep a user from using the <input> element until some other condition has been met (like selecting a checkbox, etc.). Then, a JavaScript could remove the disabled value, and make the <input> element usable.

Reference: HTML <input> disabled Attribute

NEW QUESTION 83

You are developing an HTML5 web application for a surveyor company that displays topographic images.

The application must:

Display the topographic images at different zoom levels without loss of detail Print the topographic images without loss of detail

Work from only one source file for each topographic image

You need to ensure that the topographic images display according to the requirements. Which HTML5 element should you use?

- A. SVG
- B. CANVAS
- C. SAMP
- D. AREA

Answer: A

Explanation:

* SVG stands for Scalable Vector Graphics SVG is used to define graphics for the Web SVG is a W3C recommendation

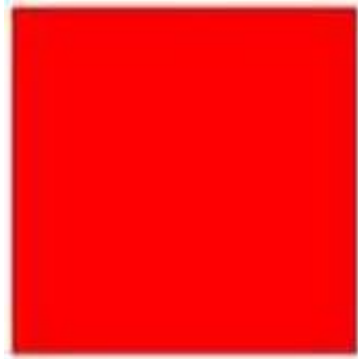
* The HTML <svg> element (introduced in HTML5) is a container for SVG graphics. SVG has several methods for drawing paths, boxes, circles, text, and graphic images. Reference: HTML5 SVG

NEW QUESTION 85

DRAG DROP

An HTML page has a CANVAS element.

You need to draw a red rectangle on the CANVAS element dynamically. The rectangle should resemble the following graphic.



How should you build the code segment? (To answer, drag the appropriate line of code to the correct location. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)


```
context.fillRect(50, 50, 100, 100);
```

```
context.fillStyle = "rgb(255, 0, 0)";
```

```
var canvas = document.getElementById('mycanvas');
```

```
var canvas = document.BeginPath();
```

```
context.fillRect(50, 50, 100, 100);
```

```
.....
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<canvas id="mycanvas" width="300" height="300"></canvas>
```

```
<script type="text/javascript">
```

```
var context = canvas.getContext('2d');
```

```
</script>
```

```
</body>
```

```
</html>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Example:

Drawing with JavaScript

```
<script>
```

```
var c = document.getElementById("myCanvas"); var ctx = c.getContext("2d");
```

```
ctx.fillStyle = "#FF0000"; ctx.fillRect(0,0,150,75);
```

```
</script>
```

Reference: HTML5 Canvas http://www.w3schools.com/html/html5_canvas.asp

NEW QUESTION 87

You are modifying a website. The body of the page will be divided into two sections: A content section will contain blog posts and comments. An area on the right-hand side will contain advertisements. The page is defined by the following HTML.

```
<table width="100%" border="1">
  <tr>
    <td class="header" colspan="2">
      Welcome to My Blog!
    </td>
  </tr>
  <tr>
    <td width="70%">
      ...
    </td>
    <td width="30%">
      ...
    </td>
  </tr>
  <tr>
    <td class="footer" colspan="2">
      ...
    </td>
  </tr>
</table>
```

The site must conform to HTML5 standards and must use HTML5 semantic tags.

You need to ensure that the advertisements are on the rightmost section of the page. Which tag should you use?

- A. <aside>
- B. <div>
- C. <article>
- D. <footer>

Answer: A

Explanation:

The <aside> tag defines some content aside from the content it is placed in. The aside content should be related to the surrounding content. aside is now acceptable for secondary content when not nested within an article element. Reference: HTML <aside> Tag

NEW QUESTION 88

You are developing an HTML5 web application and are styling text. You need to use the text-transform CSS property. Which value is valid for the text-transform property?

- A. Lowercase
- B. Blink
- C. Line-through
- D. 20px

Answer: A

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Reference: CSS text-transform Property

NEW QUESTION 90

You are developing an HTML5 web application and are styling text. You need to use the text-transform CSS property. Which value is valid for the text-transform property?

- A. Capitalize
- B. Hidden
- C. Italic
- D. Line-through

Answer: A

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Example

Transform text in different elements: h1 {text-transform:uppercase;}

h2 {text-transform:capitalize;} p {text-transform:lowercase;}

Reference: CSS text-transform Property

http://www.w3schools.com/cssref/pr_text_text-transform.asp

NEW QUESTION 95

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A. <tbody>
- B. <article>
- C. <div>

D.

Answer: B

Explanation:

The <article> tag specifies independent, self-contained content.

An article should make sense on its own and it should be possible to distribute it independently from the rest of the site.

Potential sources for the <article> element: Forum post

Blog post

News story Comment

NEW QUESTION 99

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

A.

B. <nav>

C. <cabl>

D. <section>

Answer: D

Explanation:

The <section> tag defines sections in a document. Such as chapters, headers, footers, or any other sections of the document.

NEW QUESTION 101

You are developing an HTML5 web application and are styling text. You need to use the text- transform CSS property.

Which value is valid for the text-transform property?

A. red

B. hidden

C. lowercase

D. italic

Answer: C

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Example

Transform text in different elements: h1 {text-transform:uppercase;}

h2 {text-transform:capitalize;} p {text-transform:lowercase;}

Reference: CSS text-transform Property http://www.w3schools.com/cssref/pr_text_text-transform.asp

NEW QUESTION 104

You are developing an HTML5 web application and are styling text. You need to use the text-transform CSS property.

Which value is valid for the text-transform property?

A. Italic

B. Red

C. Capitalize

D. Line-through

Answer: C

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Example

Transform text in different elements: h1 {text-transform:uppercase;}

h2 {text-transform:capitalize;} p {text-transform:lowercase;}

Reference: CSS text-transform Property http://www.w3schools.com/cssref/pr_text_text-transform.asp

NEW QUESTION 108

You develop an HTML5 webpage. You have the following HTML markup: (Line numbers are for reference only.)

```
01 <table>
02   <tr>
03     <th>Fruit</th>
04     <th>Quantity</th>
05     <th>Price</th>
06   </tr>
07   <tr>
08     <td>Apples</td>
09     <td>48</td>
10     <td>$0.29</td>
11   </tr>
12   <tr>
13     <td>Bananas</td>
14     <td>72</td>
15     <td>$0.19</td>
16   </tr>
17   <tr>
18     <td>Watermelon</td>
19     <td>14</td>
20     <td>$3.99</td>
21   </tr>
22 </table>
```

The webpage also contains the following CSS markup:

```
table { border: 1px solid black; font-family: Arial; }
tr:nth-child(odd) { background-color: red; }
tr td:nth-of-type(even) {background-color: blue; }
```

You need to determine how the webpage will appear when the CSS styles are applied. Select two.

- A. The first row of the table will have a red background.
- B. The second row of the table will have a red background.
- C. The second cell in the first row of the table will have a blue background.
- D. The second cell in the third row of the table will have a blue background.
- E. The second cell in the third row of the table will have not have blue background.

Answer: AE

Explanation:

Fruit	Quantity	Price
Apples	48	\$0.29
Bananas	72	\$0.19
Watermelon	14	\$3.99

NEW QUESTION 111

You are developing a customer web form that includes following HTML.

```
<input id= "textAccountType"/>
```

You need to develop the form so that customers can enter only a valid account type consisting of two English alphabet characters.

Which code segment should you use?

- ☐ A.

```
function validate() {  
    var value = $("#txtAccountType").text();  
    if (value == null || value == "")  
        alert("please enter valid account type");  
    return;  
}
```
- ☐ B.

```
function validate() {  
    var value = $("#txtAccountType").val();  
    var regex = /^[A-Za-z]{2}$/;  
    if (!regex.test(value) || value == "")  
        alert("please enter valid account type");  
    return;  
}
```
- ☐ C.

```
function validate() {  
    var value = $("#txtAccountType").val();  
    if (value == null || value == "")  
        alert("please enter valid account type");  
    return;  
}
```
- ☐ D.

```
function validate() {  
    var value = $("#txtAccountType").text();  
    var regex = /^[A-Za-z]{2}$/;  
    if (!regex.test(value) || value == "")  
        alert("please enter valid account type");  
    return;  
}
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

Explanation:

HTML <input> pattern Attribute

The pattern attribute specifies a regular expression that the <input> element's value is checked against.

Example

An HTML form with an input field that can contain only two letters (no numbers or special characters):

<form action="demo_form.asp">

Country code: <input type="text" name="country_code" pattern="[A-Za-z]{2}" title="Three letter country code">

<input type="submit">

</form>

Reference: HTML <input> pattern Attribute http://www.w3schools.com/tags/att_input_pattern.asp

NEW QUESTION 114

DRAG DROP

You have the following code:

```
01 $(document).ready(function () {  
02     $('#submit').click(function () {  
03         $.getJSON({  
04             url: "url/GetImage",  
05             success: function (result) {  
06                 var personImage = new PersonImage(result);  
07                 $('#happy').html(personImage.img);  
08             }  
09         });  
10     });  
11 });  
12 function PersonImage(image) {  
13  
14 }
```

The web service returns a JSON object that contains two properties named Description and FileName.

The PersonImage object must meet the following requirements: Create an object that represents an image that will be displayed.

Set the image properties from the values that are returned by the web service. Expose the image as a property of the PersonImage object.

You need to insert code at line 13 to complete the implementation of the PersonImage object.

Which three actions should you perform in sequence to complete the implementation? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

Answer Area	
	
	
	
	
	
	
	
	

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1: var img = document.createElement('img'); Box 2: img.alt = image.Description;
 img src = image.FileName; Box 3: return this.img; Note:

* Image Object

The Image object represents an embedded image.

For each tag in an HTML document, an Image object is created.

Notice that images are not technically inserted into an HTML page, images are linked to HTML pages. The tag creates a holding space for the referenced image.

* Image Object Properties include

alt, Sets or returns the value of the alt attribute of an image src, Sets or returns the value of the src attribute of an image

NEW QUESTION 115

HOTSPOT

You develop an HTML messaging application that allows users to send messages. The messages can have an optional file attachment that is identified by a filename.

You use the following function to send a message:

```
function send(to, args) {
    if (args.fileName !== undefined) {
        sendFile(to, args.message, args.fileName);
    } else {
        sendMessage(to, args.message);
    }
}
```

You need to send a message with a file attachment.

How should you complete the relevant code? (To answer, select the appropriate option from each drop-down list in the answer area.)

```
var recipient = $('to').val();
var body = $('body').val();
var fileName = $('fileName').val();

send(recipient, { });

var recipient = $('to').val();
var body = $('body').val();
var fileName = $('fileName').val();

send(recipient, { });
```

message: body,
message = body,
[message] = body,
args.message(body),

fileName: fileName
fileName = filename
args[fileName] = fileName
new args.fileName(fileName)

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Object Properties

The name:values pairs (in JavaScript objects) are called properties.

var person = {firstName:"John", lastName:"Doe", age:50, eyeColor:"blue"}; Reference: JavaScript Objects

NEW QUESTION 118

DRAG DROP

A company asks you to create a function that displays loan amounts to their customers. You must create the function by using JavaScript to meet the following requirements: Display three different loan amounts to each customer.

Display loan amounts in order starting with the greatest amount and ending with the least amount. You need to implement the function.

How should you complete the relevant code? (To answer, drag the appropriate command or commands to the correct location or locations in the answer area. Use only commands that apply.)

showSomeLoanAmount();

showAnotherLoanAmount();

var loanAmount = 400;

var loanAmount = 800;

var loanAmount = 1000;

Answer Area

```
function showLoanAmounts() {  
      
    function showSomeLoanAmount() {  
          
        function showAnotherLoanAmount() {  
              
            alert(loanAmount);  
        }  
          
        alert(loanAmount);  
    }  
    showSomeLoanAmount();  
    alert(loanAmount);  
}
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

* The innermost assignment to the loanAmount variable should be the highest.

* Local variables have local scope: They can only be accessed within the function. Example

// code here can not use carName function myFunction() {

var carName = "Volvo";

// code here can use carName

}

* A variable declared outside a function, becomes GLOBAL.

A global variable has global scope: All scripts and functions on a web page can access it.

Example

```
var carName = " Volvo";  
// code here can use carName function myFunction() {  
// code here can use carName  
}
```

* The alert() method displays an alert box with a specified message and an OK button.

An alert box is often used if you want to make sure information comes through to the user. Reference: JavaScript Scope

NEW QUESTION 123

DRAG DROP

You develop an HTML application that calls a Simple Object Access Protocol (SOAP) web service to retrieve data.

You need to load data from the web service.

What should you do? (To answer, drag the appropriate code segment or code segments to the correct location or locations in the answer area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* contentType

contentType is the type of data you're sending.

We have to send the content-type of application/soap+xml as this is the only type that the web service allow.

* type

We post a SOAP request.

* dataType:

dataType is what you're expecting back from the server: json, html, text, xml, etc. jQuery will use this to figure out how to populate the success function's parameter.

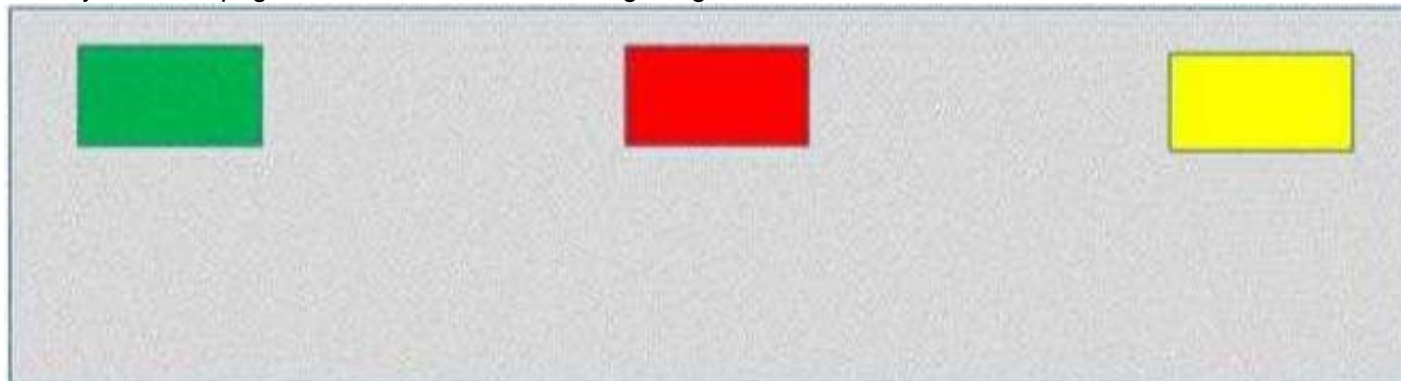
NEW QUESTION 124

HOTSPOT

You are developing a web page.

The webpage must display a container. The container must display three colored rectangles near the top of the container. The colored rectangles are, in order, green, red, and yellow. The rectangles are aligned horizontally and evenly spaced across the width of the container.

The layout of the page must resemble the following image:



You need to ensure that the page renders properly.

How should you complete the relevant styles? (To answer, select the appropriate option from each drop-down list in the answer area.)


```
<style>
  .box {
    display: -ms-flexbox;
    -ms-flex-direction: row;

    -ms-flex-align: [dropdown];

    -ms-flex-pack: [dropdown];

    width: 550px;
    height: 400px;
  }
</style>

<style>
  .box {
    display: -ms-flexbox;
    -ms-flex-direction: row;

    -ms-flex-align: [dropdown];
    end
    start
    center
    stretch

    -ms-flex-pack: [dropdown];
    end
    start
    center
    stretch

    width: 550px;
    height: 400px;
  }
</style>
```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

* -ms-flex-align

center: The flexbox item's margin box is centered in the cross axis within the line.

* -ms-flex-pack

The 'flex-pack' property defines the flexibility of these packing spaces. Reference: CSS property '-ms-flex-align'; CSS property '-ms-flex-pack'

NEW QUESTION 127

DRAG DROP

You create the following JavaScript code:

```
var myApplication = myApplication || {};
myApplication.LoanCalculator = function (displayControl, principle, term, rate) {
  this.Principle = principle;
  this.Term = term;
  this.Rate = rate / 1200;
  this.PaymentAmount = 0;
  this.showPayment = document.getElementById(displayControl);
};
myApplication.LoanCalculator.prototype = {
  CalculatePayment: function () {
    this.PaymentAmount = (this.Principle * this.Rate / (1 - (Math.pow(1/(1 + this.Rate), this.Term)))).toFixed(2);
    this.showPayment.innerHTML = '$' + this.PaymentAmount;
  },
  ShowCanWeAfford: function () {
  }
};
```

You must complete the ShowCanWeAfford() function:

Display the message Denied! If the PaymentAmount variable is greater than 500. Display the message Approved! If the PaymentAmount variable is less than 300.

Display the message Approved with caution! If the PaymentAmount variable is less than 500 and greater than 300.

You need to add statements to the ShowCanWeAfford() JavaScript function to meet the requirements.

Which three actions should you perform in sequence? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

Answer Area

```
else if (this.PaymentAmount || 300) {  
    alert('Approved!');  
}
```

```
else if (this.PaymentAmount > 500 &&  
this.PaymentAmount < 300) {  
    alert('Approved with caution!');  
}
```

```
else if (this.PaymentAmount < 300) {  
    alert('Approved!');  
}
```

```
if (this.PaymentAmount > 500) {  
    alert('Denied!');  
}
```

```
if (this.PaymentAmount >= 500) {  
    alert('Denied!');  
}
```

```
else {  
    alert('Approved with caution!');  
}
```

```
if (this.PaymentAmount >> 500) {  
    alert('Denied!');  
}
```

```
else if (this.PaymentAmount << 300) {  
    alert('Approved!');  
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1:

```
if (this.PaymentAmount > 500) {  
    alert('Denied!');  
}
```

Box 2:

```
else if (this.PaymentAmount < 300) {  
    alert('Approved!');  
}
```

Box 3:

```
else {  
    alert('Approved with caution!');  
}
```

Note:

Use > for greater than comparison. Use < for less than comparison.

NEW QUESTION 130

HOTSPOT

You review a web form that contains the following markup and code:

```
<!DOCTYPE html>
<html>
  <head>
    <script type="text/javascript">
      function check1(currentTextBox) {
        if (currentTextBox.value === null || currentTextBox.value === '')
          currentTextBox.style.background = '#ffffac';
        else
          currentTextBox.style.background = '#ffffff';
      }
      function check2() {
        var obj = document.getElementsByTagName('input');
        for (var i = 0; i < (obj.length - 1); i++) {
          obj[i].style.background = '#ffffac';
        }
      }
    </script>
  </head>
  <body>
    <input type="text" id="text1" onfocus="check1(this)" onblur="check1(this)">
    <input type="text" id="text2" onfocus="check1(this)" onblur="check1(this)">
    <input type="button" value="next" onclick="check2()">
  </body>
</html>
```

You need to ascertain how the webpage responds when it loads and how it reacts to user actions.
For each statement in the table, select Yes if the code segment above causes the page to behave as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of behavior
<input type="radio"/>	<input type="radio"/>	Both text boxes are displayed with a yellow background when the page loads.
<input type="radio"/>	<input type="radio"/>	The background color of both text boxes changes to yellow each time the text boxes receive the focus.
<input type="radio"/>	<input type="radio"/>	If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Yes	No	Description of behavior
<input type="radio"/>	<input checked="" type="radio"/>	Both text boxes are displayed with a yellow background when the page loads.
<input type="radio"/>	<input checked="" type="radio"/>	The background color of both text boxes changes to yellow each time the text boxes receive the focus.
<input checked="" type="radio"/>	<input type="radio"/>	If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.

NEW QUESTION 133
HOTSPOT

You test a webpage that contains the following JavaScript code:


```
<script type="text/javascript">
  onerror = unhandled;
  function unhandled(msg, url, line) {
    alert('There has been an unhandled exception.');
```

```
  }
  function add() {
    alert($("#int1").val() + $("#int2").val());
  }
  function divide() {
    if (isNaN($("#int1").val()) || isNaN($("#int2").val())) {
      throw('One or more values are non-numeric');
```

```
    }
    alert($("#int1").val() / $("#int2").val());
  }
</script>
```

The webpage also contains the following markup:

```
Integer 1: <input type="text" id="int1" /><br />
Integer 2: <input type="text" id="int2" /><br /><br />
<input type="button" name="add" value="Add" onclick="add();" />
<input type="button" name="divide" value="Divide" onclick="divide();" />
```

You need to ascertain how the webpage responds when the user enters characters and then clicks the add and divide buttons. For each statement in the table, select Yes if the action causes the webpage to behave as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of Behavior
<input type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 3 in the int2 textbox, and then clicks the add button, the webpage displays an alert message with a value of 5.
<input type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 0 in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.
<input type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the letter a in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Yes	No	Description of Behavior
<input type="radio"/>	<input checked="" type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 3 in the int2 textbox, and then clicks the add button, the webpage displays an alert message with a value of 5.
<input type="radio"/>	<input checked="" type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 0 in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.
<input checked="" type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the letter a in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.

NEW QUESTION 136

You develop an HTML5 web application. The web application contains a form that allows users to enter only their month of birth. The value that the users enter must be numbers between 1 and 12, inclusive. You need to implement the form element for the month of birth. Which element should you use?

- A. <input type="time" options="month" />
- B. <input types="submit" value="month" />
- C. <input type="range" min="1" max="12" />
- D. <input type="month" itemscope="numeric" />

Answer: C

Explanation:

Example:

```
</head>
```

```
<body>
```

```
<input type="range" name="rangeInput" min="0" max="100" onchange="updateTextInput(this.value);">
```

```
<input type="text" id="textInput" value="">
```

```
</body>
```

```
</html>
```

NEW QUESTION 137

You are developing an HTML5 web application for an architectural company that displays architectural blueprints.

The application must:

Display the blueprints at different zoom levels without loss of detail Print the blueprints without loss of detail

Work from only one source file per blueprint

You need to ensure that blueprints display according to the requirements. Which HTML5 element should you use?

- A. CANVAS
- B. SAMP
- C. SVG
- D. AREA

Answer: C

Explanation:

* SVG stands for Scalable Vector Graphics SVG is used to define graphics for the Web SVG is a W3C recommendation

* The HTML <svg> element (introduced in HTML5) is a container for SVG graphics. SVG has several methods for drawing paths, boxes, circles, text, and graphic images.

Reference: HTML5 SVG

NEW QUESTION 140

You are developing an application that analyzes population data for major cities in the United States. The application retrieves population statistics for a city by using a web service.

You need to request data from the web service by using jQuery. Which code segment should you use?

- ☐ A.

```
$.ajax({  
    url: "Services/WSAjax.aspx/GetPopulationCity?city='Boston'",  
    dataType: "text", type: "POST"  
});
```
- ☐ B.

```
$.ajax({  
    url: "Services/WSAjax.aspx/GetPopulationCity",  
    dataType: "text", type: "SEND", data: { city: "Boston" }  
});
```
- ☐ C.

```
$.ajax({  
    url: "Services/WSAjax.aspx/GetPopulationCity?city='Boston'",  
    dataType: "text", type: "SEND"  
});
```
- ☐ D.

```
$.ajax({  
    url: "Services/WSAjax.aspx/GetPopulationCity",  
    dataType: "text", type: "POST", data: { city: "Boston" }  
});
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

* type:

We post a SOAP request.

* data:

Data to be sent to the server.

The data option can contain either a query string of the form key1=value1&key2=value2, or an object of the form {key1: 'value1', key2: 'value2'}.

Reference: jQuery.ajax()

NEW QUESTION 141

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A. <article>
- B.
- C. <tbody>
- D. <cd>

Answer: A

Explanation:

How the Changes in HTML 5 Will Affect SEO (Search Engine Optimization)?

As a SEO expert, you are most likely interested mainly in those changes in the HTML 5 specification, which will affect your work. Here is one of them:

A new <article> tag. The new <article> tag is probably the best addition from a SEO point of view. The

<article> tag allows to mark separate entries in an online publication, such as a blog or a magazine. It is expected that when articles are marked with the <article> tag, this will make the HTML code cleaner because it will reduce the need to use <div> tags. Also, probably search engines will put more weight on the text inside the <article> tag as compared to the contents on the other parts of the page.

NEW QUESTION 146

DRAG DROP

You are developing a shared library to format information. The library contains a method named _private.

The _private method must never be called directly from outside of the shared library. You need to implement an API for the shared library.

How should you complete the relevant code? (Develop the solution by selecting the required code segments and arranging them in the correct order. You may not need all of the code segments.)

Answer Area

```
Formatter.prototype.parseValue =
function (input) {
    return _private(input);
}
```

```
prototype.parseValue = _private(input);
```

```
this._private = function (data) {
    return custom(data);
}
```

```
}
```

```
return {
    parseValue: function (input)
    { return _private(); }
}
```

```
function getFormatter() {
```

```
var _private = function (data) {
    return custom(data);
};
```

```
this.parseValue = function (input) {
    return _private(input);
};
```

```
$('#parseValue') = function (input) {
    return _private(input);
};
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1:

```
function getFormatter() {
```

Box 2:

```
Formatter.prototype.parseValue =  
function (input) {  
    return _private(input);  
}
```

Box 3:

```
this._private = function (data) {  
    return custom(data);  
}
```

Box 4:

```
}
```

Note:

```
$('#parseValue') = function (input) {  
    return _private(input);  
};
```

* Here there is a basic example:

```
// our constructor  
function Person(name, age){ this.name = name; this.age = age;  
};  
// prototype assignment Person.prototype = (function(){  
// we have a scope for private stuff  
// created once and not for every instance function toString(){  
return this.name + " is " + this.age;  
};  
// create the prototype and return them return {  
// never forget the constructor ... constructor:Person,  
// "magic" toString method toString:function(){  
// call private toString method return toString.call(this);  
}  
};  
})();
```

* Example:

```
You can simulate private methods like this: function Restaurant() {  
}  
Restaurant.prototype = (function() { var private_stuff = function() {  
// Private code here  
};  
return { constructor:Restaurant, use_restroom:function() {  
private_stuff();  
}  
};  
})();  
var r = new Restaurant();  
// This will work: r.use_restroom();  
// This will cause an error: r.private_stuff();
```

NEW QUESTION 147

You develop a webpage by using HTML5. You create the following markup:

```
<input type "url" name= "website" required="required" />
```

You need to ensure that the value that the user enters contains a secure URL. What should you do?

- A. Add the following attribute to the input tag: value="https://v
- B. Add the following attribute to the input tag: pattern="https://.+"
- C. Add the following attribute to the input tag: value="ssl"
- D. Add the following attribute to the input tag: itemtype="https"

Answer: B

Explanation:

Note:

- * The pattern attribute is supported in Internet Explorer 10, Firefox, Opera, and Chrome.
- * The pattern attribute specifies a regular expression that the <input> element's value is checked against.
- * The pattern attribute works with the following input types: text, search, url, tel, email, and password

NEW QUESTION 150

You develop a webpage by using HTML5. You create the following markup and code: (Line numbers are included for reference only.)

```
01 <head>
02   <script>
03     function removeInvalid(input) {
04
05     }
06   </script>
07 </head>
08 <body>
09   Given Name: <input type="text" id="GivenName" onblur="removeInvalid(this);" />
10   Surname: <input type="text" id="Surname" onblur="removeInvalid(this);" />
11 </body>
```

You need to ensure that the values that users enter are only numbers, letters, and underscores, regardless of the order. Which code segment should you insert at line 04?

- ☐ A.

```
if (!/^[A-Za-z0-9_]+$/.test(input.value))
    input.value = "Invalid";
```
- ☐ B.

```
if (!/^[^A-Za-z0-9_]/.test(input.value))
    input.value = "Invalid";
```
- ☐ C.

```
var regEx = new RegExp("^\\w");
if (!input.value.match(regEx))
    input.value = "Invalid";
```
- ☐ D.

```
var regEx = "[\\w\\d]";
if (!input.value.match(regEx))
    input.value = "Invalid";
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

Explanation:

Example:

Sometimes situations arise when user should fill a single or more than one fields with alphabet characters (A-Z or a-z) in a HTML form. You can write a JavaScript form validation script to check whether the required field(s) in the HTML form contains only letters. –

Javascript function to check for all letters in a field view plainprint?

```
function allLetter(inputtxt)
{
var letters = /^[A-Za-z]+$/.test(inputtxt.value);
if(inputtxt.value.match(letters))
{
return true;
}
else
{
alert("message"); return false;
}
}
```

To get a string contains only letters (both uppercase or lowercase) we use a regular expression (/^[A-Za-z]+\$/) which allows only letters. Next the match() method of string object is used to match the said regular expression against the input value.

Reference: JavaScript : HTML Form validation - checking for all letters

NEW QUESTION 151

DRAG DROP

You create a webpage that includes the following HTML markup: (Line numbers are included for reference only.)


```
01 <!DOCTYPE html>
02 <html>
03   <head>
04     <script src="jquery.js"></script>
05   </head>
06   <body>
07     <p>Type OK to validate form.</p>
08     <form action="javascript:alert('success!');">
09       <div>
10         <input type="text" />
11         <input type="submit" />
12       </div>
13     </form>
14     <script>
15
16   </script>
17 </body>
18 </html>
```

You need to ensure that a form cannot be submitted unless the INPUT element contains the word OK.

Which five actions should you perform in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)

	Answer Area
<code>);</code>	
<code>\$("#form").submit(function () {</code>	
<code>return false;</code> <code>}</code>	
<code>return true;</code> <code>}</code>	
<code>if (\$("#input:first_child").val() == "OK") {</code>	
<code>if (\$("#input:first").val() == "OK") {</code>	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

	Answer Area
<code>);</code>	<code>\$("#form").submit(function () {</code>
<code>\$("#form").submit(function () {</code>	
<code>return false;</code> <code>}</code>	<code>if (\$("#input:first").val() == "OK") {</code>
<code>return true;</code> <code>}</code>	<code>return true;</code> <code>}</code>
<code>if (\$("#input:first_child").val() == "OK") {</code>	<code>return false;</code> <code>}</code>
<code>if (\$("#input:first").val() == "OK") {</code>	<code>);</code>

NEW QUESTION 153

HOTSPOT

```
<!DOCTYPE html>
<html>
  <head>
    <style type="text/css">
      .container {
        display: -ms-grid;
        -ms-grid-columns: 1fr 1fr 1fr;
        -ms-grid-rows: 1fr 1fr 1fr;
      }
      .blueBox {
        -ms-grid-row: 2;
        -ms-grid-column: 2;
        -ms-wrap-flow: auto;
        float:none;
        background-color: blue;
      }
      .text {
        -ms-grid-row: 1;
        -ms-grid-column: 1;
        -ms-grid-column-span: 3;
        -ms-grid-row-span: 3;
      }
    </style>
  </head>
  <body>
    <div class="body">
      <div name="container" class="container">
```

How does the page render? For each statement in the table, select Yes if the behavior is described. Select No if it is not. Make only one selection in each column.

Yes	No	
<input type="radio"/>	<input type="radio"/>	Content in the DIV element named content flows around all sides of the DIV element named blueBox .
<input type="radio"/>	<input type="radio"/>	The DIV element named blueBox will always be displayed at row 2, column 2 of the grid.
<input type="radio"/>	<input type="radio"/>	Content in the DIV element named content will fill all cells in the grid.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Yes	No	
<input type="radio"/>	<input checked="" type="radio"/>	Content in the DIV element named content flows around all sides of the DIV element named blueBox .
<input checked="" type="radio"/>	<input type="radio"/>	The DIV element named blueBox will always be displayed at row 2, column 2 of the grid.
<input checked="" type="radio"/>	<input type="radio"/>	Content in the DIV element named content will fill all cells in the grid.

NEW QUESTION 154

You are creating a web page that contains a canvas with text. The page contains the following JavaScript code. (Line numbers are included for reference only.)

```
01 var canvas = document.getElementById('myCanvas');
02 var context = canvas.getContext('2d');
03
```

The text on the canvas must rotate 90 degrees when a user clicks a button on the page. You need to ensure that the text rotates when the user clicks the button. Which line of code should you add at line 03?

- A. context.transform(90);
- B. context.content.getRotation(90);
- C. context.rotate(90);
- D. context.content.rotate (90);

Answer: C

Explanation:

The rotate() method rotates the current drawing. Example

Rotate the rectangle 20 degrees: JavaScript:

```
var c=document.getElementById("myCanvas"); var ctx=c.getContext("2d"); ctx.rotate(20*Math.PI/180); ctx.fillRect(50,20,100,50);
```

Reference: HTML canvas rotate() Method

NEW QUESTION 155

HOTSPOT

You implement a callback function by using JavaScript. You need to process the returned XML data.

How should you complete the relevant code? (To answer, select the appropriate option from each drop-down list in the answer area.)

```
<script>
function getStatus(url, callback) {
    var httpRequest = new XMLHttpRequest();
    httpRequest.onreadystatechange = function () {
        if (httpRequest.readyState === 4
            && httpRequest.status === 200) {
            [ ]
        }
    };
    httpRequest.open('GET', url);
    httpRequest.send();
}

function start(url) {
    getStatus(url, function () {
        [ ]
    });
}
</script>
<script>
function getStatus(url, callback) {
    var httpRequest = new XMLHttpRequest();
    httpRequest.onreadystatechange = function () {
        if (httpRequest.readyState === 4
            && httpRequest.status === 200) {
            [ ]
            callback.call(httpRequest);
            httpRequest.setRequestHeader();
            callback.call(httpRequest.responseXML);
            callback = httpRequest.getResponseHeader();
        }
    };
    httpRequest.open('GET', url);
    httpRequest.send();
}

function start(url) {
    getStatus(url, function () {
        [ ]
        processResults(this);
        processResults(url.callback);
        processResults(this.XMLHttpRequest());
        processResults(url.callback.responseXML);
    });
}
</script>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* Example:

```
httpRequest.onreadystatechange = function() {  
  // inline function to check the status  
  // of our request  
  // this is called on every state change if (httpRequest.readyState === 4 && httpRequest.status === 200) {  
  callback.call(httpRequest.responseXML);  
  // call the callback function  
  }  
};  
// call the function some_function2("text.xml", function() {  
console.log(this);  
});  
Reference: understand callback functions in Javascript
```

NEW QUESTION 157

You are developing an HTML5 web application that displays stock information. The application loads information from a web service by using AJAX. The following code defines a Stock object and loads stock data.

```
function Stock(symbol) {  
  this.symbol = symbol;  
  this.low = 0;  
  this.high = 0;  
}  
  
Stock.prototype.parseStock = function (data) {  
  this.low = data.low;  
  this.high = data.high;  
}  
  
Stock.prototype.loadStock = function () {  
  
}
```

You need to implement the loadStock function. Which code segment should you use?

- ☐ A.

```
var stock = this;  
$.get('data.xml', function (data) {  
  stock.parseStock(data);  
});
```
- ☐ B.

```
$.get('data.xml', function (data, innerScope) {  
  innerScope.parseStock(data);  
});
```
- ☐ C.

```
$.get('data.xml', function (data) {  
  this.parseStock(data);  
});
```
- ☐ D.

```
$.get('data.xml', function (data) {  
  (function (scope) {  
    scope.parseStock(data);  
  })(data);  
});
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

NEW QUESTION 161

DRAG DROP

You create an HTML5 application that includes JavaScript. The application performs several AJAX requests. One AJAX request retrieves order information from a web service and then sends the information back to a webpage within the application.

You must create a custom event. You have the following requirements:

The webpage must contain an HTML element named ordersListing that will receive the custom event notification.

The event name must be ordersReceived.

The event must pass a custom value named orderCount.

The event must run a JavaScript method named showOrdersReceivedCount after the orders Listing HTML element receives the event.

Do not allow other DOM elements to receive the event. Allow the event to be cancelled.

Send the event into the event system.

You need to implement the custom event to notify specific DOM elements of the AJAX response. Which three actions should you perform in sequence? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

Answer Area

```
ordersListing.dispatchEvent(new CustomEvent  
("ordersReceived", {  
  detail: {  
    orderCount: 5  
  },  
  bubbles: false,  
  cancelable: true  
}));
```

```
var ordersReceivedEvent = new CustomEvent  
("ordersReceived", {  
  bubbles: true,  
  cancelable: true  
});
```

```
ordersListing.addEventListener  
("orders", showOrders);
```

```
ordersReceived.dispatchEvent  
(ordersReceivedEvent);
```

```
var ordersReceived = document.getElementById  
("ordersReceived");
```

```
var ordersListing = document.getElementById  
("ordersListing");
```

```
ordersListing.addEventListener  
("ordersReceived", showOrdersReceivedCount);
```

```
ordersListing.dispatchEvent(new CustomEvent  
("ordersReceived", {  
  detail: {  
    orderCount: 5  
  },  
  bubbles: true,  
  cancelable: false  
}));
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

* From Scenario: Do not allow other DOM elements to receive the event. So: bubbles: false

* From scenario: Allow the event to be cancelled. So: cancelable: true

* From scenario:

The webpage must contain an HTML element named ordersListing that will receive the custom event notification.

* Events which are designated as bubbling will initially proceed with the same event flow as non- bubbling events. The event is dispatched to its target EventTarget and any event listeners found there are triggered. Bubbling events will then trigger any additional event listeners found by following the EventTarget's parent chain upward, checking for any event listeners registered on each successive EventTarget. This upward propagation will continue up to and including the Document. EventListeners registered as capturers will not be triggered during this phase. The chain of EventTargets from the event target to the top of the tree is determined before the initial dispatch of the event. If modifications occur to the tree during event processing, event flow will proceed based on the initial state of the tree.

Note:

* Ajax (an acronym for Asynchronous JavaScript and XML) is a group of interrelated web development techniques used on the client-side to create asynchronous web applications. With Ajax, web applications can send data to, and retrieve data from, a server asynchronously (in the background) without interfering with the display and behavior of the existing page. Data can be retrieved using the XMLHttpRequest object. Despite the name, the use of XML is not required (JSON is

often used instead), and the requests do not need to be asynchronous.

NEW QUESTION 164

DRAG DROP

You are developing an application by using JavaScript.

You must write a function that returns the sum of the variables named v1, v2, v3, v4. You need to complete the sum function.

How should you complete the relevant code? (To answer, drag the appropriate code segment or segments to the correct location or locations in the answer area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* What is the difference between call and apply?

apply lets you invoke the function with arguments as an array; call requires the parameters be listed explicitly.

Pseudo syntax: theFunction.apply(valueForThis, arrayOfArgs) theFunction.call(valueForThis, arg1, arg2, ...)

Reference: What is the difference between call and apply?

NEW QUESTION 166

You develop an HTML5 webpage. You have the following HTML markup:

```
<label for="personname">Given and Surname:</label>
<input type="text" name="personname" /><br />
```

```
<label for="businessname">Business Name:</label>
<input type="text" name="businessname" /><br />
```

```
<label for="emailaddress">Email Address:</label>
<input type="text" name="emailaddress" />
```

You need to change the background color for all of the elements whose name attribute ends with the word name.

Which code segment should you add to the webpage?

- A. `$('input [name!="name"]').css ({ 'background-color' : ' #E0ECF8' }) ;`
- B. `$('input [name="~name"] ') .css ({ 'background-color' : ' #E0ECF8' }) ;`
- C. `$('input [name="*name"]').css ({ 'background-color' : ' #E0ECF8' }) ;`
- D. `$('input [name="$name"] ') .css ({ 'background-color' : ' #E0ECF8' }) ;`

Answer: C

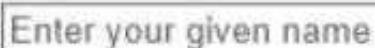
Explanation:

The string pattern `"*name"` matches all strings that ends with name.

NEW QUESTION 168

You develop a webpage with a standard input control by using HTML5.

The input control must display the text Enter your given name, as shown below:



When a user selects the input control, the text must disappear. You need to create the input control.

Which input control should you use?

- A. `<input name="GivenName" value=" Enter your given name" />`
- B. `<input name ="GivenName" default=" Enter your given name" />`
- C. `<input name="GivenName" text=" Enter your given name" />`
- D. `<input name="GivenName" placeholder=" Enter your given name" />`

Answer: D

Explanation:

The placeholder attribute specifies a short hint that describes the expected value of an input field (e.g. a sample value or a short description of the expected format).

The short hint is displayed in the input field before the user enters a value.

The placeholder attribute works with the following input types: text, search, url, tel, email, and password.

Reference: HTML <input> placeholder Attribute

NEW QUESTION 170

You develop an HTML5 webpage. You have the following HTML markup:

```
<section id="news">
  <h1>World News</h1>
  <article id="news1">...</article>
  <article id="news2">...</article>
  <article id="news3">...</article>
</section>
<section id="sports">
  <h1>Sports</h1>
  <article id="sports1">...</article>
  <article id="sports2">...</article>
  <article id="sports3">...</article>
</section>
```

You need to add a background color to the first article in each section. Which code segment should you add to the webpage?

- A. `$ ("section article:first-child").css("background-color", "#f2f2f2");`
- B. `$ ("section:first-child").css ("background-color", "#f2f2f2");`
- C. `$ ("article:first-of-type") .css("background-color", "#f2f2f2");`
- D. `$ ("section:first-of-type").css("background-color", "#f2f2f2");`

Answer: C

Explanation:

The `:first-of-type` selector matches every element that is the first child, of a particular type, of its parent.

Reference: CSS3 `:first-of-type` Selector

NEW QUESTION 175

You are creating a custom object as described by the following code.

```
function square(side) {
  this.side = side;
  this.area = calcArea;
}
```

You need to implement the `calcArea` method. Which code should you use?

- ☐ A.

```
function calcArea () {
  return me.side * me.side;
}
```
- ☐ B.

```
function calcArea (obj) {
  return obj.side * obj.side;
}
```
- ☐ C.

```
function calcArea () {
  return side * side;
}
```
- ☐ D.

```
function calcArea () {
  return this.side * this.side;
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

NEW QUESTION 180

You are developing an HTML5 web form to collect feedback information from site visitors. The web form must display an INPUT element that meets the following requirements: Allow numeric values between 1 and 10.

Default to the value of 5.

Display as a slider control on the page.

You need to add the INPUT element to the form. Which HTML element should you add?

- A. Rating (Between 1 and 10): `<input type="number" name="rating" min="1" max="10">`
- B. Rating (Between 1 and 10): `<input type="number" name="rating" min="1" max="10" default="5">`
- C. Rating (Between 1 and 10): `<input type="range" name="rating" min="1" max="10" default="5">`
- D. Rating (Between 1 and 10): `<input type="range" name="rating" min="10" max="10" value="5">`

Answer: C

Explanation:

input type="range"

The <input type="range"> is used for input fields that should contain a value within a range. Depending on browser support, the input field can be displayed as a slider control.

Example

```
<form>
```

```
<input type="range" name="points" min="0" max="10">
```

```
</form>
```

NEW QUESTION 182

You develop an HTML5 application. The application uses an image that is returned from an HTTP POST request.

You develop the following code: (Line numbers are included for reference only.)

```
01 var xhr = new XMLHttpRequest();
02 xhr.open('POST', '/Images/heroAccent.png', true);
03 var img = document.createElement('img');
04
05 xhr.send();
```

You need to display the loaded image in the application. Which code segment should you insert at line 04?

- ☐ A.

```
xhr.responseType = 'blob';
xhr.onload = function (e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.responseText);
        document.body.appendChild(img);
    }
};
```
- ☐ B.

```
xhr.responseType = 'blob';
xhr.onload = function(e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.response);
        document.body.appendChild(img);
    }
};
```
- ☐ C.

```
xhr.responseType = 'document';
xhr.onload = function (e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.responseText);
        document.body.appendChild(img);
    }
};
```
- ☐ D.

```
xhr.responseType = 'document';
xhr.onload = function (e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.response);
        document.body.appendChild(img);
    }
};
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: B

Explanation:

As an image will be returned the response type must be blob, not document. Similarly, this.response must be used not this.responseText.

Reference: createObjectURL method

NEW QUESTION 187

You develop an HTML5 webpage that contains the following HTML markup:

```
<input id="loanTermTextBox" type="text" />
```

Users must enter a valid integer value into the text box.

You need to validate the data type that is received from the input element.

Which two code segments should you include on the webpage? (Each correct answer presents a complete solution. Choose two.)

- ☐ A.

```
function validateForm() {
    var loanTermInput = document.getElementById("loanTermTextBox");
    var loanTerm = parseInt(loanTermInput.value, 10);
    if (isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
        alert("Loan Term must be an integer");
        return false;
    }
    return true;
};
```
- ☐ B.

```
var validateForm = function () {
    var loanTermInput = document.getElementById("loanTermTextBox");
    var loanTerm = parseInt(loanTermInput.value, 10);
    if (isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
        alert("Loan Term must be an integer");
        return false;
    }
    return true;
};
```
- ☐ C.

```
var validateForm = function () {
    var loanTermInput = document.getElementsByName("loanTermTextBox");
    var loanTerm = parseFloat(loanTermInput.value);
    if (!isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
        alert("Loan Term must be an integer");
        return false;
    }
    return true;
};
```
- ☐ D.

```
var validateForm = function () {
    var loanTermInput = document.getElementById("loanTermTextBox");
    var loanTerm = parseInt(loanTermInput.text);
    if (isNaN(loanTermInput)) {
        alert("Loan Term must be an integer");
        return false;
    }
};
```
- ☐ E.

```
var validateForm = function () {
    var loanTermInput = document.getElementsByName("loanTermTextBox");
    var loanTerm = JSON.parse(loanTermInput);
    if (!isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {
        alert("Loan Term must be an integer");
        return false;
    }
    return true;
};
```

- A. Option A
 B. Option B
 C. Option D
 D. Option E

Answer: AB

Explanation:

* parseInt

The parseInt() function parses a string and returns an integer. Syntax: parseInt(string,radix)

string Required. The string to be parsed

radix Optional. A number (from 2 to 36) that represents the numeral system to be used.

* The isNaN() function determines whether a value is an illegal number (Not-a-Number). This function returns true if the value is NaN, and false if not.

Reference: JavaScript parseInt() Function; JavaScript isNaN() Function

NEW QUESTION 191

DRAG DROP

You develop an HTML5 webpage. You have the following HTML markup:

```
<div id="MapContents"></div>

```

You need to update the content of the DIV element when the mouse hovers over an image and when the mouse coordinates change.
 How should you complete the relevant code? (To answer, drag the appropriate code segment to the correct location or locations in the answer area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* addEventListener mousemove

Use the element.addEventListener() method to attach an event handler to a specified element. onmousemove : Fires when the mouse pointer is moving while it is over an element

* The clientX property returns the horizontal coordinate (according to the client area) of the mouse pointer when a mouse event was triggered.

Example:

Output the coordinates of the mouse pointer when an mouse event has occurred: var x = event.clientX; // Get the horizontal coordinate

var y = event.clientY; // Get the vertical coordinate var coor = "X coords: " + x + ", Y coords: " + y;

The result of coor could be: X coords: 142, Y coords: 99

Reference: HTML DOM addEventListener() Method; onmousemove Event; MouseEvent clientX Property

NEW QUESTION 194

HOTSPOT

You are creating a custom CSS3 style.

You have the following requirements to complete the style: Box1 has a red outline.

Box1 contains box2, and box2 must remain inside box1 Box2 must have a green to black gradient.

Box2 must be surrounded by white space. The style resembles the following diagram:



You need to add the CSS3 code to the styles.

How should you complete the relevant code? (To answer, select the appropriate code segment in each drop-down list in the answer area.)

```
<style>
  #box1
  {
    [ ]
  }

  #box2
  {
    width: 6em;
    height: 4em;
    position: absolute;
    [ ]
    [ ]
  }
</style>
```



```
<style>
  #box1
  {
    margin: 5em; border: 1px solid #f00;
    margin: 5em; border-color: red;
    margin: 10px 10px 10px 10px; color: red;
    margin: 10px 10px 10px 10px; border-style: solid;
  }

  #box2
  {
    width: 6em;
    height: 4em;
    position: absolute;

    background-image: linear-gradient(to bottom, green, black);
    background-image: linear-gradient(to top, green, black);
    background-image: radial-gradient(to bottom, green, black);
    background-image: radial-gradient(to top, green, black);

    margin: 0px 0px 0px 0px;
    margin: 10px 10px 10px 10px;
    padding: 0px 0px 0px 0px;
    padding: 10px 10px 10px 10px;
  }
</style>
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

- * border: 1px solid #f00;
a red border 1 pixel thick.
- * background-image: linear-gradient(to bottom, green,black); Linear Gradients (goes down/up/left/right/diagonally).
Starts at the top with green and goes to bottom with black.
- * margin: 10px 10px 10px 10px;
The CSS margin properties define the space around elements.
The top, right, bottom, and left margin can be changed independently using separate properties. Incorrect:
- * border-color: red;
will not display any border
- * Radial Gradients (defined by their center).

NEW QUESTION 199

You develop an application to host user-generated HTML and JavaScript content. A common error handler in your application must process all unhandled errors. You need to implement global error handling for the application. Which code segment should you use?

- ☐ A. `window.onerror = function () {
 ...
}`
- ☐ B. `Error.constructor = function () {
 ...
}`
- ☐ C. `Error = function () {
 ...
}`
- ☐ D. `document.onerror = function () {
 ...
}`

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

Explanation:

GlobalEventHandlers.onerror

An event handler for runtime script errors.

Syntax

window.onerror = funcRef;

Reference: GlobalEventHandlers.onerror

NEW QUESTION 204

You are creating a blog site by using HTML5 and JavaScript. An inline frame enables users to post comments. It is possible for users to inject malicious scripts into their comments.

You need to minimize the ability for malicious scripts to execute on the site. Which line of code should you use?

- A. `<iframe sandbox src="frame1.html"></iframe>`
- B. `<iframe seamless="allowscripts" src="frame1.html"></iframe>`
- C. `<iframe seamless src="frame1.html"></iframe>`
- D. `<iframe sandbox="allowscripts" src="frame1.html"></iframe>`

Answer: A

Explanation:

The sandbox attribute enables an extra set of restrictions for the content in the iframe. Syntax

`<iframe sandbox="value">`

Attribute Values

no value: Applies all restrictions etc.

No attribute value: allowscripts (not D) Reference: HTML <iframe> sandbox Attribute

NEW QUESTION 206

You create the following JavaScript code:

```
var myApplication = myApplication || {};  
myApplication.Vehicle = function (displayControl, color, seatCount, tranType, wheelCount) {  
    this.Color = color;  
    this.NumberOfSeats = seatCount;  
    this.TransmissionType = tranType;  
    this.NumberOfWheels = wheelCount;  
    this.showVehicle = document.getElementById(displayControl);  
};  
myApplication.Vehicle.prototype = {  
    Describe: function () {  
        var valuesToDisplay = '';  
        for (var property in this) {  
            if (typeof (this[property]) === 'string')  
            {  
                valuesToDisplay += 'Vehicle ' + property + ' is ' + this[property] + '<br />';  
            }  
            else if (typeof (this[property]) === 'number')  
            {  
                if (this[property] < 4)  
                {  
                    valuesToDisplay += 'Stay safe!' + '<br />';  
                }  
                else if (this[property] >= 10)  
                {  
                    valuesToDisplay += 'Big machine!' + '<br />';  
                }  
            }  
        }  
        this.showVehicle.innerHTML = valuesToDisplay;  
    }  
};
```

You have the following requirements:

You must invoke a function that displays the vehicle information within the following HTML element:

<div id="display"x/div>

The output of the function must appear on the webpage as follows: Vehicle Color is silver

Stay safe!

Vehicle TransmissionType is manual Big machine!

You need to invoke the JavaScript function to display the required output in the HTML element. Which two code segments should you use? (Each correct answer presents a complete solution. Choose two.)

- ☐ A. `var mySportsCar = new myApplication.Vehicle('display', 'manual', 4, 'silver', 4);
mySportsCar.Describe();`
- ☐ B. `var myDumpTruck = new myApplication.Vehicle('display', 'silver', 10, 'manual', 2);
myDumpTruck.Describe();`
- ☐ C. `var myBigRig = new myApplication.Vehicle('display', 'silver', 2, 'manual', 16);
myBigRig.Describe();`
- ☐ D. `var myMotorcycle = new myApplication.Vehicle('display', 'blue', 2, 'manual', 2);
myMotorcycle.Describe();`
- ☐ E. `var myMotorhome = new myApplication.Vehicle('display', 'silver', 3, 'manual', 10);
myMotorhome.Describe();`

- A. Option A
B. Option B
C. Option C
D. Option D
E. Option E

Answer: CE

Explanation:

The second argument should be 'silver'.

The third argument should be a number less than 4.

NEW QUESTION 208

You have a webpage that includes the following markup and code:


```
<!DOCTYPE html>
<html>
  <head>
    <script>
      function start() {
        var counter = 10;
        var fun = function () {
          counter = 20;
        }
        return counter;
      }
    </script>
  </head>
  <body>
    <button id="submit" onclick="alert(start());">Start</button>
  </body>
</html>
```

You need to troubleshoot the code by clicking the Submit button. Which value will be displayed?

- A. 10
- B. 20
- C. Undefined
- D. Runtime error

Answer: A

Explanation:

* The outermost assignment, counter = 10; will decide the output that is displayed.

* Local variables have local scope: They can only be accessed within the function. Example

```
// code here can not use carName function myFunction() {
var carName = "Volvo";
// code here can use carName
}
```

* A variable declared outside a function, becomes GLOBAL.

A global variable has global scope: All scripts and functions on a web page can access it.

Example

```
var carName = "Volvo";
// code here can use carName function myFunction() {
// code here can use carName
}
```

Reference: JavaScript Scope

NEW QUESTION 212

You develop an HTML5 webpage with custom CSS. You have the following HTML markup:

```
<div class="new" Item">...</div>
```

You have the following requirements:

In addition to your CSS, you must use a corporate branded stylesheet named corporate.css. The corporate.css file contains the style rule that must be used for .newsItem.

You must use the corporate.css file to ensure that the webpage changes when the brand changes. You must add additional style rules to the webpage.

You cannot modify the corporate.css file.

You need to apply the appropriate CSS rules to meet the requirements. What should you do?

- A. Add a CSS class named .newsItemUpdates to the webpage, add only the new styles to this class, and update the class attribute of the HTML markup:<div class=nnewsItem newsItemUpdates">...</div>
- B. Update the corporate.css file to include! important for each rule for the .newsItem
- C. class, and add the new CSS rules to the webpage by using the CSS class .newsItem.
- D. Add a CSS class named .newsItemUpdates to the webpage, add the new styles to this class, and update the HTML markup to replace the .newsItem class with this new class:<div class="newsItemUpdates">...</div>
- E. Add the new CSS rules to the webpage by using the CSS class .newsItem, and add! important to each rule.

Answer: D

Explanation:

CSS attempts to create a balance of power between author and user style sheets. By default, rules in an author's style sheet override those in a user's style sheet. However, for balance, an "!important" declaration (the delimiter token "!" and keyword "important" follow the declaration) takes precedence over a normal declaration. Both author and user style sheets may contain "!important" declarations, and user "!important" rules override author "!important" rules. This CSS feature improves accessibility of documents by giving users with special requirements (large fonts, color combinations, etc.) control over presentation.

Incorrect:

Not B: It is stated that you are not allowed to update the corporate.css file. Reference: Assigning property values, Cascading, and Inheritance, !important rules

NEW QUESTION 217

You are developing an e-commerce website. Users place products into a shopping cart. You need to ensure that the shopping cart data is available between browser sessions. Which object should you use to store the shopping cart data?

- A. clientStorage
- B. localStorage

- C. applicationStorage
- D. sessionStorage

Answer: B

Explanation:

With local storage, web applications can store data locally within the user's browser. HTML local storage, better than cookies.

Before HTML5, application data had to be stored in cookies, included in every server request. Local storage is more secure, and large amounts of data can be stored locally, without affecting website performance.

Reference: HTML5 Local Storage

NEW QUESTION 220

You are creating a JavaScript object that represents a customer.

You need to extend the Customer object by adding the GetCommission method.

You need to ensure that all future instances of the Customer object implement the GetCommission method.

Which code segment should you use?

- ☐ A.

```
Customer.apply.GetCommission = function()  
{  
    alert('payroll');  
}
```
- ☐ B.

```
Customer.GetCommission = function () {  
    alert('payroll');  
}
```
- ☐ C.

```
Customer.prototype.GetCommission = function Customer.GetCommission()  
{  
    alert('payroll');  
}
```
- ☐ D.

```
Customer.prototype.GetCommission = function ()  
{  
    alert('payroll');  
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

* Object.prototype.constructor

Returns a reference to the Object function that created the instance's prototype. Note that the value

of this property is a reference to the function itself, not a string containing the function's name. The value is only read-only for primitive values such as 1, true and "test".

* The constructor property is created together with the function as a single property of func.prototype.

Reference: Object.prototype.constructor

NEW QUESTION 224

You develop an HTML5 webpage. You have the following HTML markup:

```
<label for="personname">Given and Surname:</label>  
<input type="text" name="personname" /><br />  
  
<label for="businessname">Business Name:</label>  
<input type="text" name="businessname" /><br />  
  
<label for="emailaddress">Email Address:</label>  
<input type="text" name="emailaddress" />
```

You need to change the background color for all of the elements whose name attribute ends with the word name.

Which code segment should you add to the webpage?

- A. `$('input [name!="name"]').css ({ 'background-color' : ' #E0ECF8' }) ;`
- B. `$('input [name=~"name"]').css ({ 'background-color' : ' #E0ECF8' }) ;`
- C. `$('input [name="*name"]').css ({ 'background-color' : ' #E0ECF8' }) ;`
- D. `$('input [name="$name"]').css ({ 'background-color' : ' #E0ECF8' }) ;`

Answer: C

Explanation:

The string pattern "*name" matches all strings that ends with name.

NEW QUESTION 225

You are developing a web application by using HTML5. You have the following requirements.

The color of a menu item must change when a user hovers over the item.

The color of the menu item must change back to its original color after five seconds. You need to ensure that the animation is applied to all menu items.

Which CSS3 code should you use?

☐ A.

```
menuitem:hover {  
    color: yellow  
    opacity: 100  
    transition-timing-function: ease-in;  
    . . .  
}
```

☐ B.

```
menuitem:hover {  
    background-color: yellow;  
    transition-duration: 5s;  
    . . .  
}
```

☒ C.

```
menuitem:hover {  
    color: yellow  
    transition-property: color;  
    transition-duration: 5s;  
    . . .  
}
```

☐ D.

```
menuitem:hover {  
    color: yellow  
    transition-duration: 5s;  
    . . .  
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: C

Explanation:

transition-property

The transition-property property specifies the name of the CSS property the transition effect is for (the transition effect will start when the specified CSS property changes).

Tip: A transition effect could typically occur when a user hover over an element.

Note: Always specify the transition-duration property, otherwise the duration is 0, and the transition will have no effect.

CSS3 transition-property Property

NEW QUESTION 229

Your company uses a third-party component that generates HTML for a website. The third-party component creates DIV elements that display a yellow background.

The third-party component uses inline styles in the DIV elements that are inconsistent with your corporate standards. You must override the DIV elements in the style sheet with the corporate styles. You need to ensure that the website meets corporate standards.

Which style should you use?

- ☐ A. `#alldiv`
- ```
{
 background: yellow;
 font: 12px/22px Arial;
}
```
- ☐ B. `div p:only-child`
- ```
{  
    background: yellow;  
    font: 12px/22px Arial;  
}
```
- ☐ C. `div`
- ```
{
 background: yellow !important;
 font: 12px/22px Arial !important;
}
```
- ☐ D. `div`
- ```
{  
    background: yellow;  
    font: 12px/22px Arial;  
}
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

Explanation:

CSS attempts to create a balance of power between author and user style sheets. By default, rules in an author's style sheet override those in a user's style sheet. However, for balance, an "!important" declaration (the delimiter token "!" and keyword "important" follow the declaration) takes precedence over a normal declaration. Both author and user style sheets may contain "!important" declarations, and user "!important" rules override author "!important" rules. This CSS feature improves accessibility of documents by giving users with special requirements (large fonts, color combinations, etc.) control over presentation. Reference: Assigning property values, Cascading, and Inheritance, !important rules

NEW QUESTION 231

You are developing a JavaScript library. You have the following requirements:

Custom exceptions must include an error message and custom error number. These exceptions must be thrown when data validation errors occur.

Developers must call the library to easily catch the exception and identify the problem. You develop the following code. (Line numbers are included for reference only.)

```
01 function ValidationException(number, message) {  
02     this.message = message;  
03     this.name = "myLibrary Exception";  
04     this.number = number;  
05 }  
06  
07 function myFunction(dayOfWeek) {  
08     if (dayOfWeek > 7) {  
09  
10     }  
11 }
```

You need to complete the code to meet the requirements. Which line of code should you insert at line 09?

- A. `throw new ValidationException.Exception (123, "Day of week must be less than 7");`
B. `return new ValidationException(123, "Day of week must be less than 7");`
C. `throw ValidationException(123, "Day of week must be less than 7");`
D. `catch ValidationException(123, "Day of week: must be less than 7");`

Answer: A

Explanation:

Example:

```
if (value < -100 || value > 100)
{
throw new ValidationException(String.Format("Value is {0} than {1}.", (value > 100 ? "greater" : "less"), value));
}
```

NEW QUESTION 236

You are developing an HTML5 web application that provides a discussion forum for users. When a user registers to access the application, the user enters an email address.

Users can enter data that can result in cross-site scripting (XSS) attacks. You need to ensure that email input is as secure as possible.

Which two techniques should you use? (Each correct answer presents a complete solution. Choose two.)

- A. Remove all nonalphanumeric characters before submitting data.
- B. Use the email tag in forms where the email address is entered.
- C. Display all email addresses inside of an HTML5 ADDRESS element.
- D. Use jQuery validation with a regular expression to ensure that email addresses are valid.
- E. Ensure that all form data is encrypted when it is submitted.

Answer: BD

Explanation:

B: The <input type="email"> is used for input fields that should contain an e-mail address. Depending on browser support, the e-mail address can be automatically validated when submitted.

Some smartphones recognize the email type, and adds ".com" to the keyboard to match email input. D: JQuery can be used to validate email addresses.

Reference: HTML Input Types; Email Validation Using jQuery Codes

NEW QUESTION 241

DRAG DROP

You create an HTML5 webpage. You have the following HTML markup:

```
<table id="fruitTable">
  <tr>
    <th>Fruit</th>
    <th>Inventory</th>
  </tr>
</table>
```

You also have the following JavaScript code segment:

```
var jsonFruit = { "apples" : "12", "bananas" : "8", "watermelon" : "3" }
```

You need to add additional rows to the fruitTable element by processing the jsonFruit values in the order listed.

Which three actions should you perform in sequence? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

Actions

`$.getJSON(jsonFruit, function (data) {`

`$("#fruitTable"). after(`
`"<tr><td>" + key + "</td><td>" + val +`
`"</td></tr>");`

`var data = $.parseJSON(jsonFruit);`

`});`

`$.each(jsonFruit, function (key, val) {`

`$('#fruitTable). append("${<tr><td>" + key +`
`"</td><td>" + val + "</td></tr>");`

`data. push (key, val);`

`jsonFruit. push(key, val);`

`$("#fruitTable tr:last"). after(data);`

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

`$.getJSON(jsonFruit, function (data) {`

`$("#fruitTable"). after(`
`"<tr><td>" + key + "</td><td>" + val +`
`"</td></tr>");`

`var data = $.parseJSON(jsonFruit);`

`});`

`$.each(jsonFruit, function (key, val) {`

`$("#fruitTable"). append($("#<tr><td>" + key +`
`"</td><td>" + val + "</td></tr>"));`

`data. push (key, val);`

`jsonFruit. push(key, val);`

`$("#fruitTable tr:last"). after(data);`

Answer Area

`$.each(jsonFruit, function (key, val) {`

`$("#fruitTable"). append($("#<tr><td>" + key +`
`"</td><td>" + val + "</td></tr>"));`

`});`

>

<

⤴

⤵

NEW QUESTION 246

DRAG DROP

You need to write a jQuery function to consume a file named Orders.xml. You write the following code.

```
$. Target 1 ({  
    type: "GET"  
    url: "orders.xml",  
    Target 2: Target 3,  
    success: function (xml) {  
        alert ('XML' processed successfully.)  
    }  
});
```

How should you complete the code? To answer, drag the appropriate code elements to the correct targets in the answer are a. Each code element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Answer Area

Code Elements

ajax

callback

contentType

datatype

function

JSON

POST

xml

Target 1:

Target 2:

Target 3:

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

References:
<https://github.com/processing/p5.js/wiki/Loading-external-files:-AJAX,-XML,-JSON>

NEW QUESTION 249

HOTSPOT

You are validating user input by using JavaScript and regular expressions. A group of pre-defined regular expressions validate two input fields:
You need to use the correct expression to validate the input.
Which expression should you insert into each function? To answer, select the appropriate options from the drop-down lists in the answer area.

Answer Area

```
function validateID(userinput) {
```

```
var IDPattern =
```

```

/^d{1,2}(\-|V|\ )d{1,2}\1d{4}$/;
/^0-9]{3}\-?[0-9]{2}\-?[0-9]{4}$/;
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;

```

```
return IDPattern.test ( userinput ) ;
```

```
}
```

```
function validateEmail ( userinput) {
```

```
var emailPattern =
```

```

/^d{1,2}(\-|V|\ )d{1,2}\1d{4}$/;
/^0-9]{3}\^[0-9]{2}\^[0-9]{4}$/;
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;

```

```
return emailPattern.test (userinput) ;
```

```
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
function validateID(userinput) {
```

```
var IDPattern =
```

```

/^d{1,2}(\-|V|\ )d{1,2}\1d{4}$/;
/^0-9]{3}\-?[0-9]{2}\-?[0-9]{4}$/;
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;

```

```
return IDPattern.test ( userinput ) ;
```

```
}
```

```
function validateEmail ( userinput) {
```

```
var emailPattern =
```

```

/^d{1,2}(\-|V|\ )d{1,2}\1d{4}$/;
/^0-9]{3}\^[0-9]{2}\^[0-9]{4}$/;
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;

```

```
return emailPattern.test (userinput) ;
```

```
}
```

NEW QUESTION 250

HOTSPOT

You have the following code:

```
var var1 = parseInt( '12', 10);  
var var2 = parseInt( 'aaa', 10);  
var var3 = parseInt( '12px', 10);  
var var4 = parseInt( 'foo2', 10);  
var var5 = parseInt( '12a5', 10);
```

You need to identify the correct value of each variable.

What should you identify? To answer, drag the appropriate values to the correct variables in the answer area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References: http://www.w3schools.com/jsref/jsref_parseint.asp

NEW QUESTION 252

You need to parse an XML formatted string. Which object should you use?

- A. Map
- B. DataView
- C. DOMParser
- D. JSON

Answer: C

NEW QUESTION 254

DRAG DROP

You are developing a corporate website for a company. The website uses a style sheet to enforce corporate image standards. Users report that the website is not properly rendering the styles.

You create a web page to test the styles by using the following code.

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title></title>  
    <style>  
      body {  
        background-color: gray;  
      }  
  
      .a {  
        background-color: white;  
      }  
  
      .b {  
        background-color: black;  
        color: white;  
      }  
    </style>  
  </head>  
  <body>  
    <div class = "a">Sample Text  
      <div class = "b">Sample Text</div>  
    <p>Sample Text</p>  
  </div>  
  <div class= "a b">Sample Text</div>  
</body>  
</html>
```

You need to verify how the style will be displayed.

In which order will the results be displayed? (To answer, drag the appropriate style from the list of styles to the correct location or locations in the work area.)

Styles

Sample Text

Sample Text

Sample Text

Answer Area

Style

Style

Style

Style

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Styles

Sample Text

Sample Text

Sample Text

Answer Area

Sample Text

Sample Text

Sample Text

Sample Text

NEW QUESTION 255

DRAG DROP

You have a stylesheet for an existing website.
The website contains the following HTML markup.

```
<div id= "header">  
  <ul class= "menuItems">  
    <li>HOME</li>  
    <li>PRODUCTS</li>  
    <li>ABOUT US</li>  
  </ul>  
</div>
```

You need to ensure that the elements are aligned horizontally. You write the following CSS markup in the stylesheet.

```
.menuItem li
{
  Target 1: Target 2;
}
```

How should you complete the markup? To answer, drag the appropriate code elements to the correct targets in the answer area. Each code element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Answer Area

background- position

block

display

grid

inline

list-style

table

Target 1:

Target 2:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References:

<http://learn.shayhowe.com/html-css/creating-lists/>

NEW QUESTION 259

DRAG DROP

You are creating an application by using HTML5 and CSS3. The styles for the pages are derived from five style sheets.

You need to order the style sheets by greatest CSS rule weight to lowest CSS rule weight.

In which order will the five style sheets be applied by the browser? To answer, move the style sheet types from the list of style sheet types to the answer area and arrange them in the order in which the browser will apply them. The first style sheet that the browser will apply must appear at the top of the list in the answer area.

Actions

user agent style sheets

user important style sheets

author normal style sheets

author important style sheets

user normal style sheets

>

<

Answer Area

<

>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References:

<https://www.w3.org/TR/css-cascade-3/#importance>

NEW QUESTION 263

You have the following HTML markup.

```
<input name= "object1x">  
  <input name= "object1y">  
  <input name= "object2x">
```

For all of the fields that have names ending with the letter x, you need to set the value to value1. Which code line should you use?

- A. `$("input [name$= 'x']").html ("value1");`
- B. `$("#input [name$= 'x']").val ("value1");`
- C. `$("input [name$= 'x']").val ("value1");`
- D. `$("#input [name$= 'x']").html ("value1");`

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: C

NEW QUESTION 267

You are developing an application in HTML5. You have the following code.


```
function NewOrder (orderId, orderDate) {  
  this.orderId = orderId;  
  this.orderDate = orderDate;  
}
```

You need to add an additional property to the function definition. Which line of code should you use?

- A. NewOrder ["newProperty"] = "newProperty"
- B. NewOrde
- C. prototyp
- D. newProperty = "newProperty"
- E. this.NewOrde
- F. newProperty = "newProperty"
- G. NewOrde
- H. newProperty = "newProperty"

Answer: C

Explanation:
References: http://www.w3schools.com/js/js_object_prototypes.asp

NEW QUESTION 272

DRAG DROP

You are developing a web application.
You need to create an input field to provide users with the ability to select a product from a drop- down list. The solution must meet the following requirements:
You write the following HTML markup.

```
<body>  
  Product: <input name= 'product' list= 'product_list'>  
  <Target 1 id= 'Target 2'>  
    <Target 3 value = 'Car'>  
    <Target 4 value = 'Boat'>  
  </Target 5>  
</body>
```

How should you complete the markup? To answer, drag the appropriate code elements to the correct targets. Each code element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Answer Area

Code Elements

datalist

option

product

product_list

select

Target 1:

Target 2:

Target 3:

Target 4:

Target 5:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code Elements

datalist

option

product

product_list

select

Answer Area

Target 1:

select

Target 2:

product_list

Target 3:

option

Target 4:

option

Target 5:

select

NEW QUESTION 275
DRAG DROP
You develop the following code:

```
var isBig = function (nb) {  
  if (nb>10)  
    return true;  
  else  
    return false;  
}  
  
displayAlertIfBigNumber = function (aNumber)  
{  
  switch (Target 1){  
    case Target 2:  
      alert ("aNumber is big")  
      Target 3;  
      Target 4;  
      alert ("aNumber is not big");  
      break  
    }  
  }  
}
```

You need to complete the code to meet the following requirements:
How should you compete the code? To answer, drag the appropriate code elements to the correct targets in the answer are

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code elements

aNumber

break

default

isBig(aNumber)

true

Answer Area

Target 1:

isBig(aNumber)

Target 2:

true

Target 3:

break

Target 4:

default

NEW QUESTION 276
You need to write a self-executing anonymous function in JavaScript. Which code snippet should you include in the function?

A. (function () {...});
B. (function anon() {...}) ();
C. (function anon() {...});
D. (function () {...}) ();

Answer: D

Explanation:
References:
<http://esbueno.noahstokes.com/post/77292606977/self-executing-anonymous-functions-or-how-to- write>

NEW QUESTION 277
You have the following code:

```
var objStr = "[1, 2, 3, 4]";
```

You need to convert objStr into an array. Which line of code should you use?

A. var jsObject = Array.bind(objStr);
B. var jsObject = Array.valueOf(objStr);
C. var jsObject = JSON.parse(objStr);
D. var jsObject = \$.makeArray(objStr);

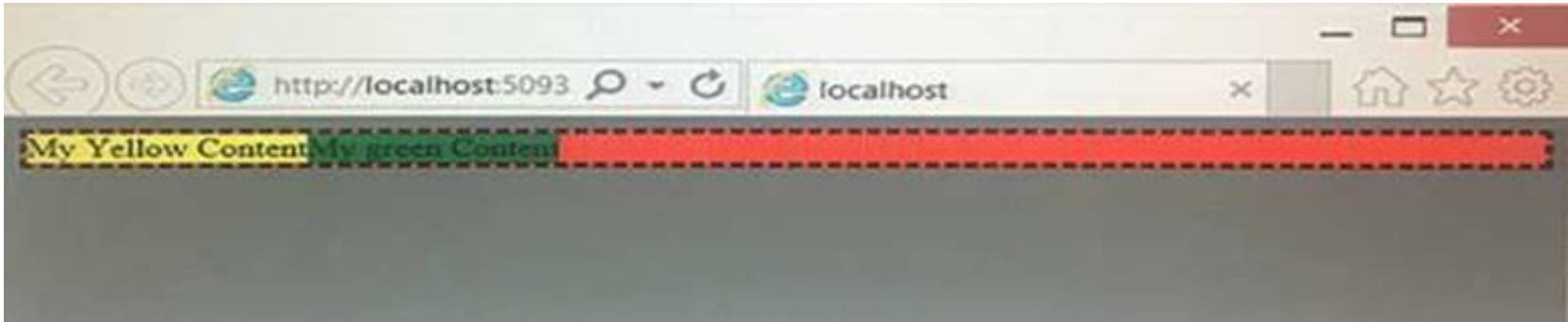
Answer: C

Explanation:
https://www.w3schools.com/js/js_json_parse.asp

NEW QUESTION 278
You have the following code:

```
<body>  
<div id="red" style="background-color:red;border:dashed;">  
  <div id="yellow" style="background-color:yellow;">My Yellow Content</div>  
  <div id="green" style="background-color:green;">My green Content</div>  
</div>  
</body>
```

You need to ensure that the content appears as shown in the following exhibit:



Which display attribute should you use for the red div?

- A. grid
- B. inline
- C. block
- D. flex

Answer: B

Explanation:

https://www.w3schools.com/cssref/pr_class_display.asp

NEW QUESTION 281

HOTSPOT

You have the following code. (Line numbers are included for reference only.)

```
01 <style>
02 .transition_style
03 {
04     font-size:15px;
05     font-weight:normal;
06     width:50px;
07     height:40px;
08     background:orange;
09     color:#ffffff;
10     padding:10px;
11     margin-left:auto;
12     border-radius:5px;
13     transition-property:width,height,transform,background,font-size,opacity;
14     transition-duration:1s,1s,1s,1s,1s,1s;
15 }
16 .transition_style:hover
17 {
18     font-size:30px;
19     font-weight:bolder;
20     width:100px;
21     height:80px;
22     margin-left:0px;
23     transform:rotateX(360deg);
24     background:red;
25 }
26 </style>
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer Area

Statement	Yes	No
Margin-left will move gradually from right to left.	<input type="radio"/>	<input type="radio"/>
The background color will transition gradually from orange to red.	<input type="radio"/>	<input type="radio"/>
The animation effect will be the same if you replace lines 13 and 14 with the following code: transition: all 1s linear;	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- No
- Yes

No
https://www.w3schools.com/cssref/pr_margin-left.asp <https://css-tricks.com/almanac/properties/t/transition/>
https://www.w3schools.com/cssref/css3_pr_transition.asp

NEW QUESTION 283

You are developing a web application in HTML. You have the following HTML code.

```
<div id="footer"></div>
```

You need to ensure that the div footer contains the text “All rights reserved”. Which line of code should you use?

- A. document("footer") = "All rights reserved";
- B. document("footer").innerHTML = "All rights reserved";
- C. \$(".footer").value = "All rights reserved";
- D. \$("#footer").html("All rights reserved");

Answer: B

Explanation:

https://www.codecademy.com/en/forum_questions/557ea03cd3292f72d10006bf

NEW QUESTION 286

DRAG DROP

You need to write a callback function in JavaScript. You write the following code:

```
function newOrder(orderId, orderShip, Target 1) {  
    document.write("New order being processed");  
    Target 2  
}  
newOrder("333", "EXPRESS", Target 3 {  
    ...  
;})
```

How should you complete the code? To answer, drag the appropriate code elements to the correct targets in the answer area. Each code element can be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Code Elements

callback

callback()

function()

newOrder

typeof

var

Answer Area

Target 1:

Target 2:

Target 3:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Target 1: callback
Target 2: callback()
Target 3: function()
References: <https://www.impressivewebs.com/callback-functions-javascript/>

NEW QUESTION 287

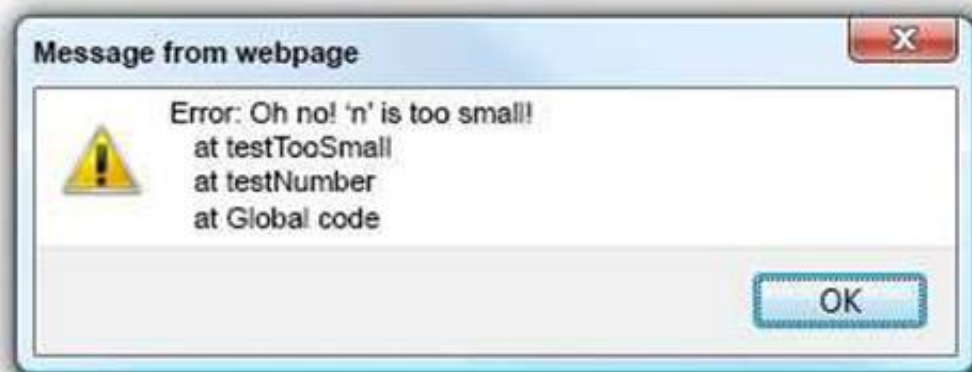
You have the following code. (Line numbers are included for reference only.)

```

01  funtion testNumber() {
02  testTooSmall(1);
03  }
04  function testTooSmall(n) {
05  if (n < 2)
06  throw "Oh no! 'n' is too small!"
07  return true;
08  }
09  try {
10  testNumber();
11  }
12  catch (e) {
13  alert(e.stack);
14  }

```

You execute the code and you receive an alert that displays the following message: "Undefined". You need to ensure that the alert displays as shown:



What should you do?

- A. Replace line 13 with the following code: `alert(e.message);`
- B. Replace line 06 with the following code: `throw new eval("Oh no! 'n' is too small!")`
- C. Replace line 13 with the following code: `alert(e);`
- D. Replace line 06 with the following code: `throw new Error("Oh no! 'n' is too small!")`

Answer: D

Explanation:

<http://www.javascriptkit.com/javatutors/trycatch2.shtml>

NEW QUESTION 289

You are developing an application in HTML5. The application contains the following HTML markup.

```

<div>
  <h1>Resources</h1>
  <a href="http://contoso.com/people.aspx">People</a>
  <a href="http://contoso.com/orgProducts.aspx">Products</a>
  <a href="http://wiki.contoso.org">Resources</a>
  ...
</div>

```

You need to ensure that all of the links referencing domain names ending in .org are displayed in red text.

What should you use?

- A. a JSON parse function
- B. a CSS attribute selector
- C. a CSS pseudo-element
- D. a JSON stringify function.

Answer: B

NEW QUESTION 290

You have the following markup.

```

<div style="display:flex;height:300px;background-color:red">
  <div style="height:100px;background-color:yellow">
    Yellow div text
  </div>
</div>

```

You need to ensure that the yellow div is centered in the red div. What should you do?

- A. Add the following code to the red di
- B. align-content:center
- C. Add the following code to the red div.Margin:auto
- D. Add the following code to the Yellow di
- E. align-content:center
- F. Add the following code to the Yellow div Margin:auto

Answer: C

NEW QUESTION 295

A web application has a web page that contains an HTML5 CANVAS element. A web extracts messages from the CANVAS element. You need to ensure that the web worker can read the message sent by the web page.

Which three object types can you use?

- A. JavaScript
- B. DOM
- C. parent
- D. Window
- E. string
- F. JSON

Answer: AEF

Explanation:

References: <https://www.html5rocks.com/en/tutorials/workers/basics/>

NEW QUESTION 299

You develop an application in HTML5. The application has a field named field1 that uses the month input type.

You need to identify what will occur if the application runs from a browser that does not support the month input type.

What should you identify?

- A. The field1 field will be rendered as a text box.
- B. The field1 field will appear as alabel named month.
- C. The web page will display an error message.
- D. The field1 field will not be displayed.

Answer: A

Explanation:

References: <https://stackoverflow.com/questions/18020950/how-to-make-input-type-date- supported-on-all-browsers-any-alternatives>

NEW QUESTION 301

You display a long text content in a div.

You need to prevent the vertical scrollbar of the browser from being displayed. Which CSS element should you use?

- A. @page
- B. @keyframes
- C. overflow-x
- D. overflow-y

Answer: D

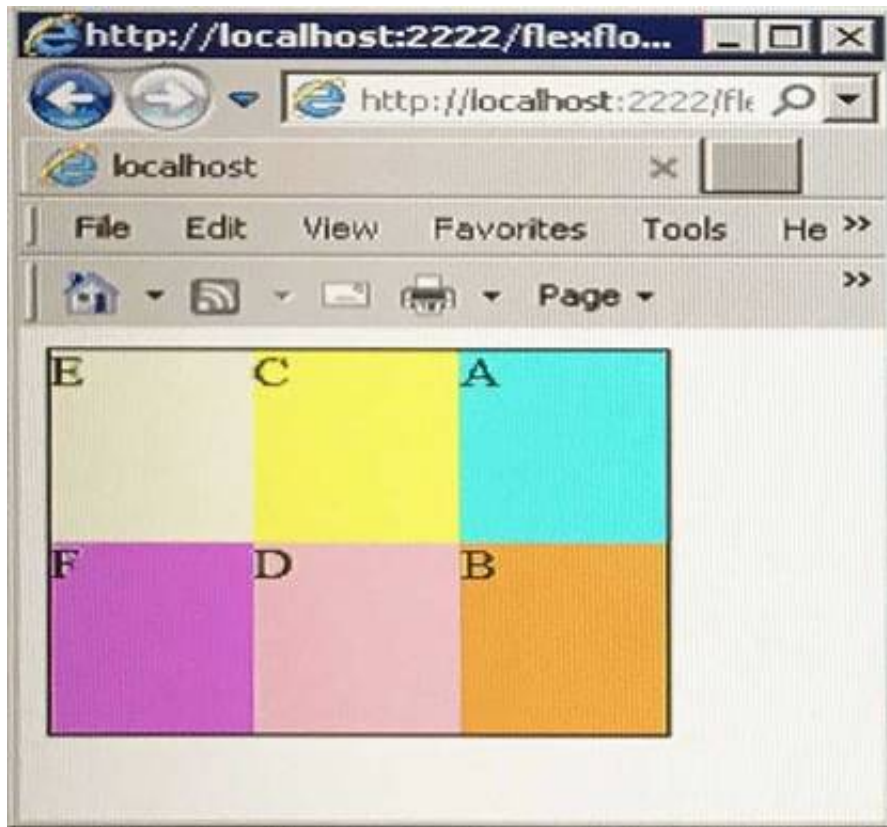
Explanation:

References: https://www.w3schools.com/cssref/css3_pr_overflow-y.asp

NEW QUESTION 304

HOTSPOT

You need to create a page that displays the content as shown in the exhibit. (Click the Exhibit button.)



You write the following markup.

```
<style>
#main {
  width:180px;
  height:150px;
  border:1px solid black;
  display:flex;
  Target 1:Target 2 column;
}
#main div {
  flex-basis: 75px;
}
</style>

<div id="main">
  <div style="background-color:aqua;">A</div>
  <div style="background-color:orange;">B</div>
  <div style="background-color:yellow;">C</div>
  <div style="background-color:pink;">D</div>
  <div style="background-color:beige;">E</div>
  <div style="background-color:violet;">F</div>
</div>
```

How should you complete the markup? To answer, select the appropriate code element for each target in the answer area.

Target 1:

	▼
flex-direction	
flex-flow	
flex-order	

Target 2:

	▼
column-reverse	
row	
wrap	
wrap-reverse	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Target 1:

	▼
flex-direction	
flex-flow	
flex-order	

Target 2:

	▼
column-reverse	
row	
wrap	
wrap-reverse	

NEW QUESTION 307

HOTSPOT

You are developing an application in HTML5. You have the following HTML markup.

```
<div id="div1">
  <div id="div2">
    <div id="div3" onclick="Validate1()">
      <label id="userNameLabel" for="userName">User Name:</label>
      <input type="text" id="userName" onclick="Validate2()" />
    </div>
  </div>
</div>
```

You have the following JavaScript code.

```
$("#userName").click(function (event) {
  event.stopPropagation();
});
```

Use the drop-down lists to select the answer choice that completes each statement.

[answer choice] will be called when the user clicks the userName text box.

	▼
event.stopPropagation	
Validate1	
Validate2	

[answer choice] will be called when the user clicks the userNameLabel label.

	▼
event.stopPropagation	
Validate1	
Validate2	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

[answer choice] will be called when the user clicks the userName text box.

	▼
event.stopPropagation	
Validate1	
Validate2	

[answer choice] will be called when the user clicks the userNameLabel label.

	▼
event.stopPropagation	
Validate1	
Validate2	

NEW QUESTION 311

DRAG DROP

You are developing a web application that consumes data from a server named sample-host. The application must:

You need to develop the application to meet the requirements.

Which code segment or segments should you use? (To answer, drag the appropriate code segment or segments to the correct location or locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Code Segments

```
var host = "websocket://sample-host/echo";
```

```
var host = "ws://sample-host/echo";
```

```
var host = "http://sample-host/echo.svc";
```

Segments

```
socket.onopen
```

```
socket.open
```

```
open.socket
```

Answer Area

Code Segment

```
socket = new WebSocket(host);
```

Segment

```
= function (openEvent) {
```

```
document.getElementById("serverStatus").innerHTML =  
'WebSocket Status:: Socket Open';
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code Segment: var host ="ws://sample-host/echo"; Segment:socket.onopen

References: <https://docs.microsoft.com/en-us/microsoft-edge/dev-guide/networking-and- connectivity/websocket>

NEW QUESTION 312

You would like to create web applications and Windows 8 Windows Store applications by using HTML5, JavaScript, and CSS3, but while you're learning, you don't want to buy Visual Studio 2012. Which of the following Visual Studio 2012 editions can you use for free to accomplish your goal?

- A. Visual Studio Professional 2012
- B. Visual Studio Premium 2012
- C. Visual Studio Ultimate 2012
- D. Visual Studio Express 2012 for Web and Visual Studio Express 2012 for Windows 8

Answer: D

Explanation:

References:

http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 313

What are the steps for TDD?

- A. Write the passing test, write the code, run the test again to validate that it still passes.
- B. Write the failing test, write the code, run the test again to validate that it passes.
- C. Write the code, write the test to validate that it passes, run the test again to validate that it stillpasses.
- D. Write the passing test, write the code, break the code, run the test again to validate that it fails.

Answer: B

Explanation:

References: http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 316

NOTE: This question is a part of series of questions that presents the same scenario. Each question in the series contains unique solution that might meet the started goals. Some questions sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section. you will not be able to return to it. As a result, these questions will not appear in the review screen.

You have the following HTML5 and CSS3 markup within a webpage.

```
<nav id="mainmenu" class="page-nav">

  <div id="navlist" class="container">

    <a href="index.html">Home</a>

    <a href="register.html">Register</a>

  </div>

</nav>
```

You need to set the background color of the Home link to yellow. The solution can affect the color of the other elements.
 Solution: You use the following style:

```
<style>

  .navlist{

    background-color: yellow;

  }

</style>
```

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 320

You have a web API that responds to a GET request and returns an image as an array of bytes.
 You need to create a page that contains a button to requests the image. The response must be displayed as an image on the page.
 Which two code segments can you use to achieve the goal? Each correct answer presents a complete solution.
 NOTE: Each correct selection is worth one point.

A

```
<!DOCTYPE html>
<html>
<body>
  <button type="button" onclick="getImage()">Get Image</button>
  <br/>
  <img id="image"/>
  <script>
    function getImage() {
      var xhttp = new XMLHttpRequest();
      xhttp.open("GET", "/api/pic", true);
      xhttp.responseType = "blob";
      xhttp.onload = function (e) {
        var blod = event.response;
        var urlCreator = window.URL || window.webkitURL;
        var image Url = urlCreator.createObjectURL(blob);
        document.querySelector("#image").src = imageUrl;
      }
      xhttp.send();
    }
  </script>
</body>
</html>
```

B

```
<!DOCTYPE html>
<html>
<head>
  <script src="http://ajax.aspnetcdn.com/ajax/jQuery/jquery-3.2.1.js"></script>
</head>
<body>
  <button type="button" onclick="getImage()">Get Image</button>
  <br/>
  <img id="image" />
  <script>
    function getImage() {
      $.get({
        url: "/api/pic",
        dataType: "plainObject",
        success: function (result) {
          var urlCreator = window.URL || window.webkitURL;
          var image Url = urlCreator.createObjectURL(result);
          document.querySelector("#image").src = imageUrl;
        }
      });
    }
  </script>
</body>
</html>
```

C

```
<!DOCTYPE html>
<html>
<head>
  <button type="button" onclick="getImage()">Get Image</button>
  <br/>
  <img id="image"/>
  <script>
    function getImage() {
      var xhttp = new XMLHttpRequest();
      xhttp.open("GET", "/api/pic", true);
      xhttp.responseType = "arraybuffer";
      xhttp.onload = function (e) {
        var blob = new Blob([xhttp.response], {type: "application/octet-stream" });
        var urlCreator = window.URL || window.webkitURL;
        var image Url = urlCreator.createObjectURL(blob);
        document.querySelector("#image").src = imageUrl;
      }
      xhttp.send();
    }
  </script>
</body>
</html>
```


D

```
<!DOCTYPE html>
<html>
<body>
  <button type="button" onclick="getImage()">Get Image</button>
  <br/>
  <img id="image"/>
  <script>
    function getImage() {
      var xhttp = new XMLHttpRequest();
      xhttp.open("GET", "/api/pic", true);
      xhttp.responseType = "text";
      xhttp.onload = function (event) {
        var blod = event.response;
        var urlCreator = window.URL || window.webkitURL;
        var image Url = urlCreator.createObjectURL(blob);
        document.querySelector("#image").src = imageUrl;
      }
      xhttp.onloadstart(loadend);
    }
  </script>
</body>
</html>
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: BC

NEW QUESTION 321

You have the following markup.

```
<style>
  .flex1 {
    background-color: yellow;
    border:dotted;
  }

  flex2 {
    background-color: red;
    border:dotted;
  }
</style>
<div style="display:flex;background-color:grey;">
  <div class="flex1">
    Flex1
  </div>
  <div class="flex2">
    Flex2
  </div>
</div>
```

You need to ensure that flex1 is displayed on the right of the page. flex2 must be displayed directly to the left of flex1. Which style should you add to the outer div?

- A. flex-direction:column-reverse
- B. flex-direction:row-reverse
- C. flex-direction: row
- D. flex-direction: column

Answer: B

NEW QUESTION 325
.....

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NEW QUESTION 1

You are developing a customer web form that includes the following HTML.

```
<input id="txtValue" type="text" />
```

A customer must enter a valid age in the text box prior to submitting the form. You need to add validation to the control.

Which code segment should you use?

- ☐ A.

```
function validate() {  
    var value = $("#txtValue").text();  
    var regex = /^[d\,\.\.]*$/;  
    if (!regex.test(value) || name == "")  
        alert("please enter valid value");  
    return;  
}
```
- ☐ B.

```
function validate() {  
    var name = $("#txtValue").val();  
    if (name == null || name == "")  
        alert("please enter valid value");  
    return;  
}
```
- ☐ C.

```
function validate() {  
    var name = $("#txtValue").text();  
    if (name == null || name == "")  
        alert("please enter valid value");  
    return;  
}
```
- ☐ D.

```
function validate() {  
    var value = $("#txtValue").val();  
    var regex = /^[d\,\.\.]*$/;  
    if (!regex.test(value) || value == "")  
        alert("please enter valid value");  
    return;  
}
```



```
return emailPattern.test(userinput);  
}
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

Explanation:

.val

Return value

A string containing the value of the element, or an array of strings if the element can have multiple values

NEW QUESTION 2

DRAG DROP

You are developing a form that captures a user's email address by using HTML5 and jQuery.

The form must capture the email address and return it as a query string parameter. The query string parameter must display the @ symbol that is used in the email address.

You need to implement this functionality.

How should you develop the form? (To answer, drag the appropriate code segment to the correct target or targets in the answer are

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

* The serialize() method creates a URL encoded text string by serializing form values.

You can select one or more form elements (like input and/or text area), or the form element itself. The serialized values can be used in the URL query string when making an AJAX request.

Example: \$("form").serialize();

* decodeURIComponent

The decodeURIComponent() function decodes a URI component. Return Value: A String, representing the decoded URI

Incorrect:

Not decodeURI:

decodeURI is intended for use on the full URI.

decodeURIComponent is intended to be used on .. well .. URI components that is any part that lies between separators (; / ? : @ & = + \$, #).

Reference: jQuery serialize() Method http://www.w3schools.com/jquery/ajax_serialize.asp http://www.w3schools.com/jsref/jsref_encodeuri.asp

NEW QUESTION 3

HOTSPOT

You are developing a web application that retrieves data from a web service. The data being retrieved is a custom binary datatype named bint. The data can also be represented in XML.

Two existing methods named parseXml() and parseBint() are defined on the page. The application must:

Retrieve and parse data from the web service using binary format if possible

Retrieve and parse the data from the web service using XML when binary format is not possible You need to develop the application to meet the requirements.

What should you do? (To answer, select the appropriate options from the drop-down lists in the answer area.)

```
var request = $.ajax({  
    uri: '/',
```

```
dataFilter: function (data, type) {
```

```
    return parseBint(data);  
    else  
        return parseXml(data);  
    },  
    success: function (data) {  
        start(data);  
    }  
});
```

```
var request = $.ajax({  
    uri: '/',
```

```
dataFilter: function (data, type) {
```

```
    return parseBint(data);  
    else  
        return parseXml(data);  
    },  
    success: function (data) {  
        start(data);  
    }  
});
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
* accepts : 'application/bint, text/xml'
accepts:'application/bin,text/xml' to accept only XML and binary content in HTML responses.
* Use the following condition to check if the html response content is binary: If(request.getResponseHeader("Content-Type")==="application/bint"
* var request = $.ajax({ uri:'/',
accepts: 'application/bint, text/xml', datafilter: function(data,type){
if(request.getResponseHeader("Content-Type")==="application/bint") return parseBint(data);
else
return parseXml();
},
success: function (data) { start(data);
}
});
```

NEW QUESTION 4

You are developing a customer web form that includes the following HTML.

```
<input id = "txtValue" />
```

A customer must enter a value in the text box prior to submitting the form. You need to add validation to the text box control.

Which HTML should you use?

- A. <input id="txtValue" type="text" required="required"/>
- B. <input id="txtValue" type="text" pattern="[A-Za-z]{3}" />
- C. <input id="txtValue" type="required" />
- D. <input id="txtValue" type="required" autocomplete="on" />

Answer: A

Explanation:

Definition and Usage

The required attribute is a boolean attribute.

When present, it specifies that an input field must be filled out before submitting the form. Example

An HTML form with a required input field:

```
<form action="demo_form.asp">
```

```
Username: <input type="text" name="username" required>
```

```
<input type="submit">
```

```
</form>
```

Username: <input type="text" name="username" required> Reference: HTML <input> required Attribute http://www.w3schools.com/tags/att_input_required.asp

NEW QUESTION 5

DRAG DROP

You are developing a web page for runners who register for a race. The page includes a slider control that allows users to enter their age.

You have the following requirements: All runners must enter their age.

Applications must not be accepted from runners less than 18 years of age or greater than 90 years. The slider control must be set to the average age (37) of all registered runners when the page is first displayed.

You need to ensure that the slider control meets the requirements.

What should you do? (To answer, drag the appropriate word or number to the correct location in the answer area. Each word or number may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

range

slider

0

18

90

100

37

avgAge()

default

value

required

optional

```
<input type=" "
      min=" " max=" "
      step="5"  = " "
      />
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1-3: The <input type="range"> is used for input fields that should contain a value within a range. Example

<input type="range" name="points" min="0" max="10"> Box 4-5: Use the value attribute to set the default value Box 6: Definition and Usage

The required attribute is a boolean attribute.

When present, it specifies that an input field must be filled out before submitting the form.

Example

Username: <input type="text" name="username" required> Reference: HTML Input Types http://www.w3schools.com/html/html_form_input_types.asp

NEW QUESTION 6

You are developing an HTML5 web application that displays the current temperature whenever a button is clicked. The following code provides this functionality.

```
function Loader() {
    this.status = "ready";
    this.temp = 50;
    this.updateStatus = function (newStatus) {
        status = newStatus;
    };
}

var loader = new Loader();

$(function () {
    $("#loadTemp").click(function (eventData) {
        loader.temp = loadTemp();
        loader.updateStatus("done");
    });
});
```

When the temperature is loaded, the status property on the loader instance does not change.

You need to ensure that the status property on the loader instance is updated when the temperature is loaded.

Which code segment should you use to replace the Loader function?

- ☐ A.

```
function Loader() {  
    this.status = "ready";  
    this.temp = 50;  
    this.updateStatus = function (newStatus) {  
        this.status = newStatus;  
    };  
}
```
- ☐ B.

```
function Loader() {  
    this.prototype.status = "ready";  
    this.temp = 50;  
    this.updateStatus = function (newStatus) {  
        this.status = newStatus;  
    };  
}
```
- ☐ C.

```
function Loader() {  
    status = "ready";  
    this.temp = 50;  
    this.updateStatus = function (newStatus) {  
        status = newStatus;  
    };  
}
```
- ☐ D.

```
function Loader() {  
    window.status = "ready";  
    this.temp = 50;  
    this.updateStatus = function (newStatus) {  
        status = newStatus;  
    };  
}
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

Explanation:

Incorrect:

not D: window.status property

The status property sets the text in the status bar at the bottom of the browser, or returns the previously set text.

NEW QUESTION 7

You are creating a class named Consultant that must inherit from the Employee class. The Consultant class must modify the inherited PayEmployee method. The Employee class is defined as follows.

```
function Employee() {}  
Employee.prototype.PayEmployee = function () { alert('Hi there!');  
}
```

Future instances of Consultant must be created with the overridden method. You need to write the code to implement the Consultant class.

Which code segments should you use? (Each correct answer presents part of the solution. Choose two.)

- A.

```
Consultant.PayEmployee = function () { alert('Pay Consultant'); }
```


B.

```
Consultant.prototype.PayEmployee = function () { alert('Pay Consultant'); }
```


C.

```
function Consultant () { Employee.call(this); }  
Consultant.prototype = new Employee();  
Consultant.prototype.constructor = Consultant;
```


D.

```
function Consultant() { Employee.call(this); }  
Consultant.prototype.constructor = Consultant.create;
```

Answer: BC

Explanation:

Returns a reference to the Object function that created the instance's prototype. Note that the value of this property is a reference to the function itself, not a string containing the function's name. The value is only read-only for primitive values such as 1, true and "test".

* The constructor property is created together with the function as a single property of func.prototype.

Reference: Object.prototype.constructor

NEW QUESTION 8

You are modifying an existing web page. The page is being optimized for accessibility. The current page contains the following HTML.

```
<ul>
  <li><a href="">Home</a></li>
  <li><a href="">Sales</a></li>
  <li><a href="">Operations</a></li>
</ul>
```

Standards-compliant screen readers must be able to identify the links contained within the navigation structure automatically.

You need to create the navigation link structure in the page.

With which container tags should you wrap the existing markup?

- A. <navmap></navmap>
- B. <div id="nav"></div>
- C. <nav></nav>
- D. <map></map>

Answer: C

Explanation:

HTML <nav> Tag Example

A set of navigation links:

```
<nav>
<a href="/html/">HTML</a> |
<a href="/css/">CSS</a> |
<a href="/js/">JavaScript</a> |
<a href="/jquery/">jQuery</a>
</nav>
```

Reference: HTML <nav> Tag http://www.w3schools.com/tags/tag_nav.asp

NEW QUESTION 9

HOTSPOT

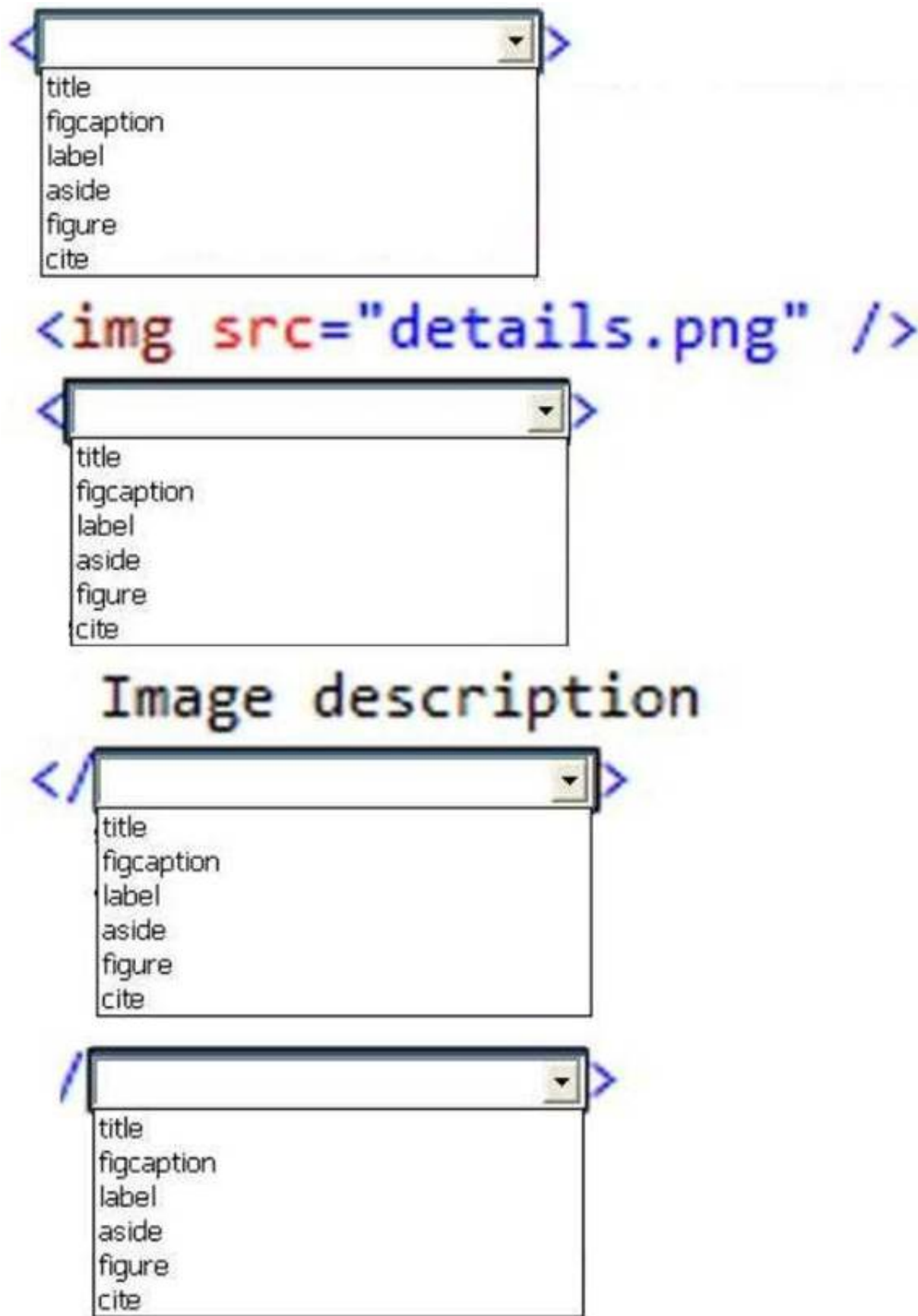
You are developing an HTML5 web application for displaying encyclopedia entries. Each encyclopedia entry has an associated image that is referred to in the entry. You need to display the image by using the correct semantic markup.

What should you do? (To answer, select the appropriate options from the drop-down list in the answer area.)

```

```

Image description



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The <figure> element

The <figure> element is intended to be used in conjunction with the <figcaption> element to mark up diagrams, illustrations, photos, and code examples (among other things).

Example:

```
<figure>

<figcaption>A cheeky macaque, Lower Kintaganban River, Borneo. Original by <a href="http://www.flickr.com/photos/rclark/">Richard Clark</a></figcaption>
</figure>
```

Reference: The figure & figcaption elements

NEW QUESTION 10

You are developing an HTML5 page that has an element with an ID of logo. The page includes the following HTML.

```
<div> Logo:<br>
<div id="logo">
</div>
</div>
```

You need to move the logo element lower on the page by five pixels.

Which lines of code should you use? (Each correct answer presents part of the solution. Choose two.)

- A. document.getElementById("logo").style.position = "relative";
- B. document.getElementById("logo").style.top = "5px";
- C. document.getElementById("logo").style.top = "-5px";
- D. document.getElementById("logo").style.position = "absolute";

Answer: AB

Explanation:

* style.position = "relative";

The element is positioned relative to its normal position, so "left:20" adds 20 pixels to the element's LEFT position.

* For relatively positioned elements, the top property sets the top edge of an element to a unit above/below its normal position.

Example: Example

Set the top edge of the image to 5px below the top edge of its normal position: img {

position: relative; top: 5px;

}

Reference: CSS position Property; CSS top Property http://www.w3schools.com/cssref/pr_class_position.asp http://www.w3schools.com/cssref/pr_pos_top.asp

NEW QUESTION 10

You are creating a JavaScript function that displays the name of a web application. You declare the following button element.

<input type="button" id= "About" value="About" />

When a user clicks the button, a JavaScript function named About must be called.

You need to create an event handler that calls the About function when the button is clicked.

Which two code segments can you use? (Each correct answer presents a complete solution. Choose two.)

☐ A.

```
var button = document.getElementById("About");
ScriptEngine.call(button, About());
```

☐ B.

```
var button = document.getElementById("About");
ScriptEngine.bind(button, About());
```

☐ C.

```
var button = document.getElementById("About");
button.addEventListener("click", About);
```

☐ D.

```
var button = document.getElementById("About");
button.attachEvent("onclick", About);
```

A. Option A

B. Option B

C. Option C

D. Option D

Answer: CD

Explanation:

C: addEventListener

The addEventListener() method attaches an event handler to the specified element.

In context of a worker, both self and this refer to the global scope. The worker can either add an event listener for the message event, or it can define the onmessage handler to listen for any messages sent by the parent thread.

D: attachEvent method

Registers an event handler function (event listener) for the specified event on the current object.

Reference: addEventListener method; attachEvent method <http://help.dottoro.com/ljeuqqoq.php> <http://help.dottoro.com/ljinxrmt.php>

NEW QUESTION 13

HOTSPOT

You are creating a function by using JavaScript. The function accepts an object as the parameter and returns a string that identifies the data type of the object.

You have the following requirements:

The function must return "Number" if the object is a number. The function must return "String" if the object is a string.

The function must return "Unknown" if the object is neither a number nor a string. You need to implement the function to meet the requirements.

How should you build the code segment? (To answer, select the appropriate options from the drop- down lists in the answer area.)

```
function GetObjectType(obj) {
  default (obj.constructor) {
    default Number:
      return "Number";
    default ;
    default String:
      return "String";
    default ;
    default :
      return "Unknown";
  }
}

function GetObjectType(obj) {
  default (obj.constructor) {
    default
    switch
    break
    case
    default Number:
    default
    switch
    break
    case
      return "Number";
    default ;
    default
    switch
    break
    case
    default String:
    default
    switch
    break
    case
      return "String";
    default ;
    default
    switch
    break
    case
    default :
    default
    switch
    break
    case
      return "Unknown";
  }
}
```


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* Use the switch statement to select one of many blocks of code to be executed.

Syntax switch(expression) {

case n:

code block break;

case n:

code block break;

default:

default code block

}

This is how it works:

The switch expression is evaluated once.

The value of the expression is compared with the values of each case. If there is a match, the associated block of code is executed.

* Object.prototype.constructor

Returns a reference to the Object function that created the instance's prototype. Note that the value of this property is a reference to the function itself, not a string containing the function's name. The value is only read-only for primitive values such as 1, true and "test".

* Description

All objects inherit a constructor property from their prototype: var o = {};

o.constructor === Object; // true var a = [];

a.constructor === Array; // true var n = new Number(3); n.constructor === Number; // true

* The constructor property is created together with the function as a single property of func.prototype.

Reference: JavaScript Switch Statement;Object.prototype.constructor

NEW QUESTION 17

You are developing an HTML5 web page.

The appearance of the text box must change when a user moves the focus to another element on the page.

You need to develop the page to respond to user action. Which line of code should you use?

- A. <input type="text" onblur="resetStyle(this);" />
- B. <input type="text" onfocus="resetStyle(this);" />
- C. <input type="text" onreset="resetStyle(this);" />
- D. <input type="text" onselect="resetStyle(this);" />

Answer: A

Explanation:

Definition and Usage

The onblur event occurs when an object loses focus.

Example

Execute a JavaScript when a user leaves an input field:

<input type="text" onblur="myFunction()"> Reference: onblur Event http://www.w3schools.com/jsref/event_onblur.asp

NEW QUESTION 22

DRAG DROP

You are developing an online shopping application that accepts credit cards for payment. If the credit card number is invalid, the application must:

Generate an error

Assign "200" to the error number Assign "Invalid" to the error description

You need to write the code that meets the requirements.

How should you write the code? (To answer, drag the appropriate code segment or segments to the correct location in the answer area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



Example: throw new Error(200, "x equals zero"); Reference: throw Statement (JavaScript)

NEW QUESTION 27

You are developing an HTML5 page that includes several paragraph elements. You have the following requirements:
Add a drop shadow that is one inch below the text in the paragraph Set the radius of the drop shadow to five pixels
You need to style the paragraphs to meet the requirements. Which CSS style should you use?

- A. text-shadow: 72pt 0pt 5pt
- B. text-shadow: 5px 1in 0px;
- C. text-shadow: 72pt 5em 0px
- D. text-shadow: 72pt 0em 5px;

Answer: D

Explanation:

D is the most correct.

Reference: CSS Text Module Level 3 <http://www.w3.org/TR/css3-text/#text-shadow> Note:

All options are incorrect nearest correct answers are B or D.

#obj {text-shadow: <x-offset><y-offset><blur-radius><color>; }

<x-offset> +n right -n left

<y-offset> +n bottom -n top

1 inch below means <y-offset> is 1in or 72 pt Hence actually answer must be

0px, 1in, 5px or

0px, 72pt, 5px

NEW QUESTION 29

You are developing a web page. You create a grid layout by using the following CSS segment.

```
#myGrid {  
  display: -ms-grid;  
  background: gray;  
  -ms-grid-columns: 100px 100px;  
  -ms-grid-rows: 50px 50px 50px;  
}
```

You have the following requirements:

You must place content in the first column of the second row. The content must span two columns.

You need to ensure that the style of the grid meets the requirements. Which CSS segment should you use?

- ☐ A.

```
#itemSpan {  
  -ms-grid-row: 2;  
  -ms-grid-column: 1;  
  -ms-grid-column-span: 2  
}
```
- ☐ B.

```
#itemSpan {  
  -ms-grid-row: 2;  
  -ms-grid-column: 1;  
  -ms-grid-column-span: initial  
}
```
- ☐ C.

```
#itemSpan {  
  -ms-grid-row: 2;  
  -ms-grid-column: 1;  
  -ms-grid-column-width: 2;  
}
```
- ☐ D.

```
#itemSpan {  
  -ms-grid-row: 2;  
  -ms-grid-column: 1;  
  -ms-grid-column-span: inherit  
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

Explanation:

-ms-grid-column-span

Gets or sets a value that specifies the number of columns of the grid that the object spans. This property is read-only.

Property values

The number of columns.

Integer value that specifies the number of columns to span. Reference: -ms-grid-column-span property

NEW QUESTION 33

You are developing a web page by using HTML5. You have the following requirements:

An H1 element must be placed at the top left corner of the page.

The size and location of the H1 element must not change if additional elements are added to the page.

You need to position the H1 element on the page. Which CSS3 style should you use?

☐ A.

```
h1
{
  position: absolute;
  left: 0px;
  top: 0px;
}
```

☐ C.

```
h1
{
  position: static;
  left: 100%;
  top: 100%;
}
```

☐ B.

```
h1
{
  position: absolute;
  left: 100%;
  top: 100%;
}
```

☐ D.

```
h1
{
  position: static;
  left: 0px;
  top: 0px;
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Answer: A

Explanation:

* The position property specifies the type of positioning method used for an element (static, relative, absolute or fixed).

absolute: The element is positioned relative to its first positioned (not static) ancestor element

* For absolutely positioned elements, the left property sets the left edge of an element to a unit to the left/right of the left edge of its containing element.

CSS Syntax

left: auto|length|initial|inherit;

length: Sets the left edge position in px, cm, etc. Incorrect:

position static: Default value. Elements render in order, as they appear in the document flow Reference: CSS position Property; CSS left Property

NEW QUESTION 35

You are styling a box object on a page by using CSS3. You need to set the transparency of the object to 50%.

Which two CSS3 styles will achieve the goal? (Each correct answer presents a complete solution.

Choose two.)

☐ A.

```
.Box {
  background: rgb(255,0,0);
  backface-visibility: hidden;
}
```

☐ B.

```
.Box {
  background: rgb(255,0,0);
  background: rgba(255,0,0,.5);
}
```

☐ C.

```
.Box {
  background: rgb(255,0,0);
  opacity: 0.5;
}
```

☐ D.

```
.Box {
  background: rgb(255,0,0);
  background-color: #fff;
}
```

A. Option A

- B. Option B
- C. Option C
- D. Option D

Answer: BC

Explanation:

The RGBA declaration allows you to set opacity (via the Alpha channel) as part of the color value. Example:

```
div { background-color: rgba(255,0,0,0.5); }
```

The background color has been set to blue, and the opacity set to half. Example 2:

```
background-color: rgb(0,0,255); opacity: 0.5;
```

The background color has been set to blue, and the opacity set to half. Reference: A brief introduction to Opacity and RGBA <http://www.css3.info/introduction-opacity-rgba/>

NEW QUESTION 39

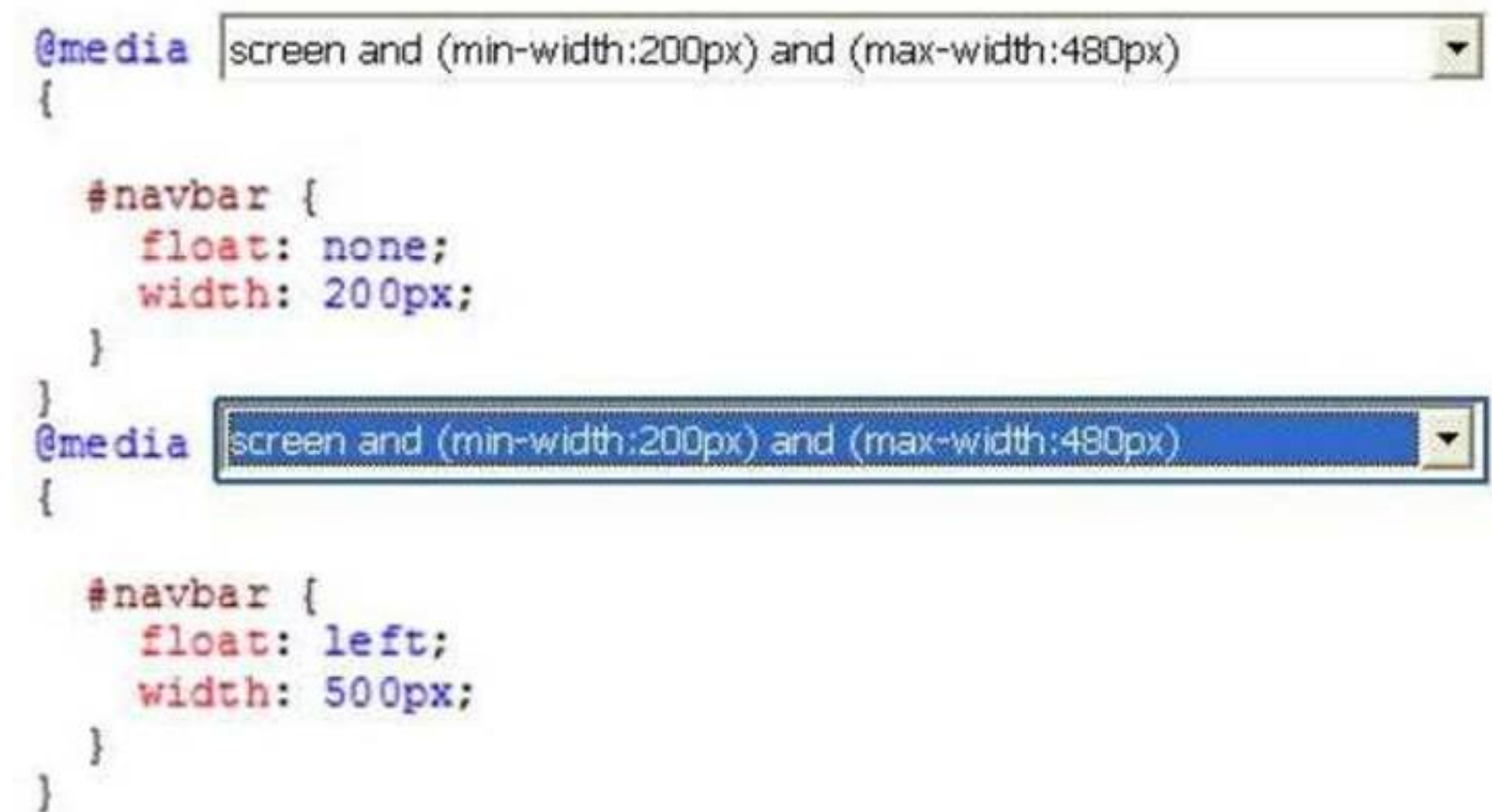
HOTSPOT

You are developing a web page that will be accessed from various types of devices. You have the following requirements:

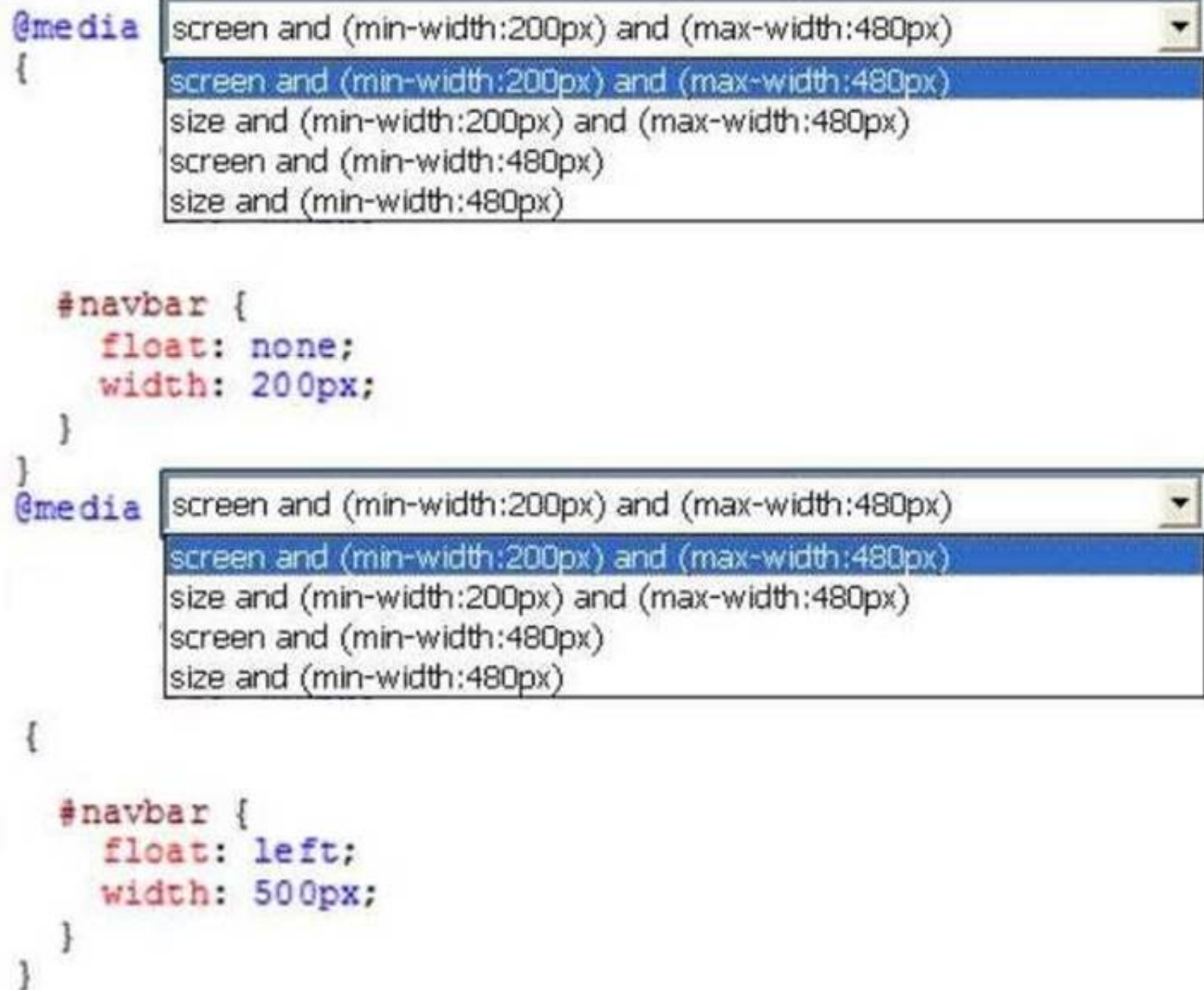
The appropriate display resolution must be selected dynamically based on the device connecting to the page.

Mobile devices with a maximum width of 480 pixels must be able to use the page. You need to ensure that the page displays correctly on any device.

How should you build the code? (To answer, select the appropriate options from the drop-down lists in the answer area.)



```
@media screen and (min-width:200px) and (max-width:480px)
{
    #navbar {
        float: none;
        width: 200px;
    }
}
@media screen and (min-width:200px) and (max-width:480px)
{
    #navbar {
        float: left;
        width: 500px;
    }
}
```



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* The @media rule is used to define different style rules for different media types/devices. CSS Syntax
 @media not|only mediatype and (media feature) { CSS-Code;
 }
 * Media type: Screen
 Used for computer screens. Incorrect:
 Not size: there is no media type size.
 Reference: CSS3 @media Rule; CSS Media Types

NEW QUESTION 40

DRAG DROP

You are developing a website that has many web pages with hyperlinks to other sites.

You need to ensure that if a hyperlink contains an image, the linked web page opens in a new window.

Which jQuery code segment or segments should you use? (To answer, drag the appropriate line of code to the correct location. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

```

$("a img").each(function () {
    $(this).parent().attr('target', '_blank')
})
$("a").each(function () {
    $(this).attr('target', '_blank')
})

```

Answer Area

```

<!DOCTYPE html>
<html>
<head>
    <title></title>
    <script src="http://code.jquery.com/jquery-latest.js">
    </script>
</head>
<body>
    <a href="http://www.microsoft.com">
        
    </a>
</body>
<script>
    $(document).ready(function () {
        //
        //
    });
</script>
</html>

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* a img
 All elements that are descendants of an element.
 * (this).parent
 This is the element and is the parent.

NEW QUESTION 41

You are developing a page that includes text and an illustration. The web page resembles the following image.



You have the following requirements:

The illustration must be in the center of the page.

The text must flow around the left, right, top, and bottom of the illustration. You need to ensure that the layout of the web page meets the requirements. Which line of code should you use?

- A. -ms-wrap-flow: both;
- B. -ms-wrap-flow: clear;
- C. -ms-wrap-flow: maximum;
- D. -ms-wrap-flow: auto;

Answer: A

Explanation:

. -ms-wrap-flow

Gets or sets a value that specifies how exclusions impact inline content within block-level elements. Syntax
 -ms-wrap-flow: auto | both | start | end | maximum | clear both
 Inline flow content can flow on all sides of the exclusion.
 Reference: -ms-wrap-flow property
[http://msdn.microsoft.com/en-us/library/ie/hh673558\(v=vs.85\).aspx](http://msdn.microsoft.com/en-us/library/ie/hh673558(v=vs.85).aspx) <http://dev.w3.org/csswg/css3-exclusions/>

NEW QUESTION 44

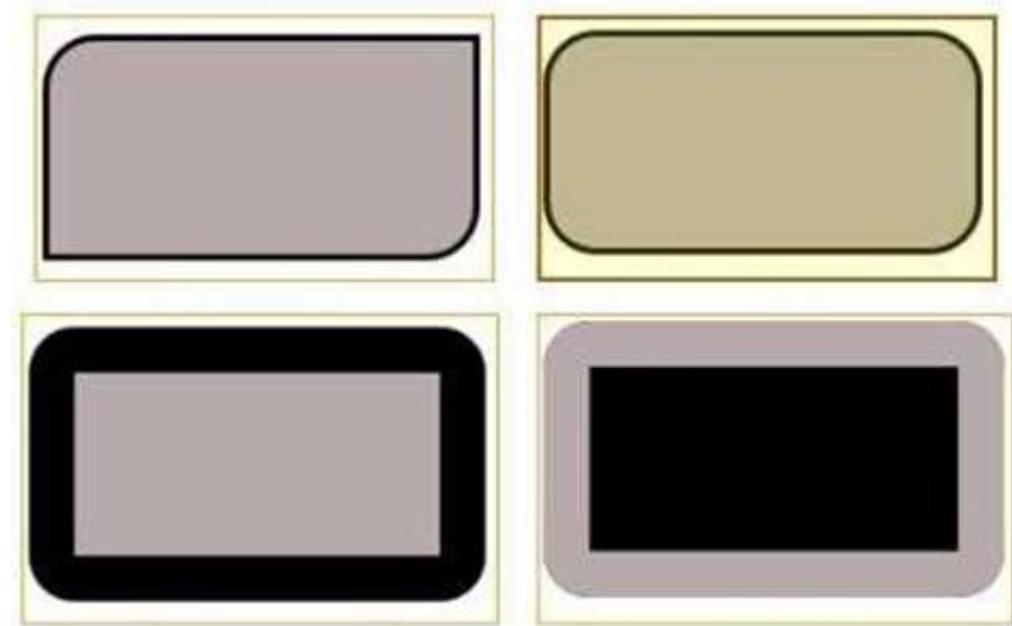
HOTSPOT

You are developing an HTML5 application for a company. You apply the following style to a DIV element on a page.

```
div
{
    border:3px solid;
    background:#b6aaaa;
    width:200px;
    height:100px;
    top: 10%;
    left:10%;
    border-radius:25px 0px 25px 0px;
}
```

You need to submit a draft illustration of the results of this code.

Which illustration should you submit? (To answer, select the appropriate illustration in the answer area.)



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Example: div {
 border: 3px solid; background: #b6aaaa; width: 200px;
 height: 100px; top 10%;
 left 10%;
 border-radius: 25px 0px 25px 0px;
 }

Result:



Reference: CSS3 border-radius Property

NEW QUESTION 49

You are developing a web page that will be divided into three vertical sections. The main content of the site will be placed in the center section. The two outer sections will contain advertisements.

You have the following requirements:

The main content section must be set to two times the width of the advertising sections. The layout must be specified by using the CSS3 flexible box model.

You need to ensure that the visual layout of the page meets the requirements. Which CSS3 property should you use?

- A. box-orient
- B. box-flex-group
- C. box-flex
- D. box-direction

Answer: C

Explanation:

box-flex

Values: 0 | Any integer

The flexibility ratio for this child. If a child had 1 and its sibling had 2, any additional space in the parent box would be consumed twice as much by the sibling. It defaults to 0 which is inflexible. Reference: Quick hits with the Flexible Box Model <http://www.html5rocks.com/en/tutorials/flexbox/quick/>

NEW QUESTION 52

You are developing an HTML5 page. The page includes the following code.

```
<p id="outer" style="position:relative">
  <p id="inner"></p>
</p>
```

The inner paragraph must be exactly 15 pixels from the top left corner of the outer paragraph. You set the left style for the inner paragraph to the appropriate value.

You need to set the position property of the inner paragraph. Which value should you use?

- A. absolute
- B. static
- C. fixed
- D. relative

Answer: A

Explanation:

absolute: The element is positioned relative to its first positioned (not static) ancestor element. Incorrect:

Not D:

relative: The element is positioned relative to its normal position, so "left:20" adds 20 pixels to the element's LEFT position.

Reference: CSS position Property http://www.w3schools.com/cssref/pr_class_position.asp

NEW QUESTION 56

You are developing a web form that includes the following HTML.

```
<input id="txtValue" type="text" />
```

You need to ensure that a value is entered into txtValue before the form is submitted. Which code segment should you use?

- ☒ A.

```
function validate() {
    var name = $("#txtValue").val();
    if (name == null || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ B.

```
function validate() {
    var value = $("#txtValue").val();
    var regex = /^[0-9,\.]*$/;
    if (!regex.test(value))
        alert("please enter valid value");
    return;
}
```
- ☐ C.

```
function validate() {
    var name = $("#txtValue").get();
    if (name == null || name == "")
        alert("please enter valid value");
    return;
}
```
- ☐ D.

```
function validate() {
    var value = $("#txtValue").get();
    var regex = /^[A-Za-z]{3}/;
    if (!regex.test(value) || value == "")
        alert("please enter valid value");
    return;
}
```

A. Option A

- B. Option B
- C. Option C
- D. Option D

Answer: A

Explanation:

* Input Text Object Properties include:

value: Sets or returns the value of the value attribute of the text field

* Check if text is a null value or an empty string. Incorrect:

not .get(): there is no input text object property get. Reference: HTML DOM Input Text Object

NEW QUESTION 59

HOTSPOT

You are developing a form that captures a user's email address by using HTML5 and jQuery.

The form must capture the email address and return it as a query string parameter. The query string parameter must display the @ symbol used in the email address.

You need to implement this functionality.

How should you develop the form? (To answer, select the appropriate options from the drop-down lists in the answer area.)

```
<!DOCTYPE html>
<html>
<head>
  <script src="http://code.jquery.com/jquery-latest.js"></script>
</head>
<body>
  <form>
    <input type="text" name="email" />
    <input type="submit" value="Submit" />
  </form>
  <script>
    $("form").submit(function () {
      var str;
      str = $("form").serialize();
      str = decodeURIComponent(str);
      str = $("form").contents.toString();
      str = $("form").toLocaleString();
      str = decodeURI(str);

      str = $("form").serialize();
      str = decodeURIComponent(str);
      str = $("form").contents.toString();
      str = $("form").toLocaleString();
      str = decodeURI(str);

      return true;
    });
  </script>
</body>
</html>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* serialize()

Encode a set of form elements as a string ready for submission. decodeURIComponent

* To decode the string, PHP offers the urldecode() function.

?

echo urldecode('name%40website.com'); //restores "name@website.com" Reference: JavaScript decodeURIComponent() Function

NEW QUESTION 60

You are developing a web page that consumes a Windows Communication Foundation (WCF) service. The page includes the following code segment. var xhr = new XMLHttpRequest();

The page uses the `xhrHandler()` method to listen for changes to the request status of the WCF service calls. It uses the `xmlToJavaScript()` method to convert the response from the WCF service to a JavaScript object.

The `xhrHandler()` method must be called automatically each time the request status changes. You need to add the event handler to the request object. Which line of code should you use?

- A. `xhr.onCallback = xhrHandler;`
- B. `xhr.onreadystatechange = xhrHandler;`
- C. `xhr.readyState = xhrHandler;`
- D. `xhr.status = xhrHandler;`

Answer: B

Explanation:

/ `onreadystatechange`: Sets or retrieves the event handler for asynchronous requests. Specifies a reference to an event handler for an event that fires at every state change `readyState`

Returns the state of the object as follows:

* 0 = uninitialized – `open()` has not yet been called.

* 1 = open – `send()` has not yet been called.

* 2 = sent – `send()` has been called, headers and status are available.

* 3 = receiving – Downloading, `responseText` holds partial data (although this functionality is not available in IE [3])

* 4 = loaded – Done.

/ Example (assuming that there is a function handler): `var oReq = getXMLHttpRequest();`

if (`oReq != null`) {

`oReq.open("GET", "http://localhost/test.xml", true); oReq.onreadystatechange = handler;`

`oReq.send();`

Reference: XMLHttpRequest object; XMLHttpRequest (XHR) [https://msdn.microsoft.com/en-us/library/ie/ms535874\(v=vs.85\).aspx](https://msdn.microsoft.com/en-us/library/ie/ms535874(v=vs.85).aspx)

<http://mrfwebdesign.blogspot.ca/2008/11/xmlhttprequest-xhr.html>

NEW QUESTION 64

You are developing an application that consumes an external web service that returns the latest stock rate.

The application has two methods:

The `getResults()` method makes an AJAX web service request

The `ShowRate()` method displays the stock rate from the web service response

You need to ensure that the `ShowRate()` method always displays the latest stock rate. Which code segment should you use?

☐ A.

```
function getResults(){
$.ajax({
    type: 'POST',
    cache:true,
    url: "StockRates.asmx/GetRate",
    data: { 'StockName': stockName },
    dataType: 'json',
    success: function (result) {
        stockRate = result;
    });
    ShowRate();
}

function ShowRate() {
    alert(stockRate);
}
```

☒ C.

```
var stockRate;
function getResults(){
$.ajax({
    async: true,
    type: 'POST',
    url: "StockRates.asmx/GetRate",
    data: { 'StockName': stockName },
    dataType: 'json',
    success: function (result) {
        stockRate = result;
    });
    ShowRate();
}

function ShowRate() {
    alert(stockRate);
}
```

☐ B.

```
var stockRate;
function getResults(){
$.ajax({
    async: false,
    type: 'POST',
    url: "StockRates.asmx/GetRate",
    data: { 'StockName': stockName },
    dataType: 'json',
    success: function (result) {
        stockRate = result;
    });
    ShowRate();
}

function ShowRate() {
    alert(stockRate);
}
```

☐ D.

```
var stockRate;
function getResults(){
$.ajax({
    async: false,
    cache:false,
    type: 'POST',
    url: "StockRates.asmx/GetRate",
    data: { 'StockName': stockName },
    dataType: 'json',
    success: function (result) {
        stockRate = result;
    });
    ShowRate();
}

function ShowRate() {
    alert(stockRate);
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

" always displays the latest stock rate ". Should use cache: false Note: cache (default: true, false for dataType 'script' and 'jsonp') Type: Boolean
If set to false, it will force requested pages not to be cached by the browser. Reference: jQuery.ajax()

NEW QUESTION 68

DRAG DROP

You are developing an application that reads information from a file. The application must:
Execute a block of code if there is an error accessing the file
Execute a second block of code whether or not there is an error accessing the file You need to ensure that the error handling requirements are met.
Which three statements should you implement in sequence? (To answer, move the appropriate statements from the list of actions to the answer area and arrange them in the correct order.)

catch(e)

debug

throw

try

finally

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

catch(e)

debug

throw

try

finally

try

catch(e)

finally

Explanation
The fileopen statement is put within the try clause. The catch(e) will catch a fileopen error.
The finally clause will be executed regardless of whether an error occurs in the try clause proceeding it

NEW QUESTION 69

HOTSPOT

You are developing an online shopping application that accepts credit cards for payment. If the credit card number is invalid, the application must:
Generate an error
Assign "200" to the error number Assign "Invalid" to the error description
You need to write the code that meets the requirements.
How should you write the code? (To answer, select the appropriate option from the drop-down list in the answer area.)

Work Area

throw

new

throw

(

throw

,

throw

)

;

Work Area

throw

new

throw

(

throw

,

throw

)

;

throw

"Invalid"

200

Error

break

throw

"Invalid"

200

Error

break

throw

"Invalid"

200

Error

break

throw

"Invalid"

200

Error

break

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Example: throw new Error(200, "x equals zero"); Reference: throw Statement (JavaScript)

NEW QUESTION 71

You are developing a web application that uses web workers to process images extracted from an HTML5 CANVAS object on a web page.

You need to pass messages between the web workers and the web page.

Which three types of objects should you use? (Each correct answer presents a complete solution. Choose three.)

- A. JSON
- B. Window
- C. Parent
- D. String
- E. JavaScript
- F. DOM

Answer: ADE

Explanation:

* Example:

```
var myHelloWorker = new Worker('helloworkers.js');
```

You'll then start the worker (and thus a thread under Windows) by sending it a first message: myHelloWorker.postMessage();

Indeed, the Web Workers and the main page are communicating via messages. Those messages can be formed with normal strings or JSON objects.

* (E) The Web Workers API makes it possible to execute a JavaScript file asynchronously and autonomously. A web worker is essentially a thread executing a JavaScript file.

* (A, D) In the first implementations of web workers the browsers only allowed strings to be exchanged as messages. However, recent implementations allow for exchange of values or JSON objects.

Reference: HTML5 Web Workers

NEW QUESTION 75

You are creating a class named Sedan that must inherit from the Car class. The Sedan class must

modify the inherited fourDoor () method. The Car class is defined as follows.

```
function Car() {}  
Car.prototype.fourDoor = function () {  
    alert('four doors');  
}
```

Future instances of Sedan must be created with the overridden method. You need to write the code to implement the Sedan class.

Which two code segments should you use? (Each correct answer presents part of the solution. Choose two.)

- ☐ A.

```
Sedan.fourDoor = function ()  
{  
    alert('door count');  
}
```
- ☐ B.

```
Sedan.prototype.fourDoor = function ()  
{  
    alert('door count');  
}
```
- ☐ C.

```
function Sedan()  
{  
    Car.call(this);  
}  
Sedan.prototype = new Car();  
Sedan.prototype.constructor = Sedan;
```
- ☐ D.

```
function Sedan()  
{  
    Car.call(this);  
}  
Sedan.prototype.constructor = Sedan.create;
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: BC

Explanation:

* The Object.prototype property represents the Object prototype object.
* Object.prototype.constructor
Specifies the function that creates an object's prototype.
* Example:
Employee.prototype = new Person(); var Customer = function(name) { this.name = name;
};
Customer.prototype = new Person(); var Mime = function(name) { this.name = name;
this.canTalk = false;
};
Mime.prototype = new Person(); Reference: Object.prototype

NEW QUESTION 77

You are modifying a blog site to improve search engine readability.
You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A. <nav>
- B. <article>
- C.
- D. <div>

Answer: B

Explanation:

The <article> tag specifies independent, self-contained content.
An article should make sense on its own and it should be possible to distribute it independently from the rest of the site.
Potential sources for the <article> element: Forum post
Blog post News story Comment
Reference: HTML <article> Tag http://www.w3schools.com/tags/tag_article.asp http://www.w3schools.com/html/html5_new_elements.asp

NEW QUESTION 79

You are developing application web form by using HTML5 and JavaScript. You need to prevent users from submitting form data more than once. Which code segment should you use?

- ☒ A.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable(this)" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable(this)" />
  <script>
    function disable(ctrl) {
      ctrl.disabled = true;
    }
  </script>
</body>
```
- ☐ B.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable()" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable()" />
  <script>
    function disable() {
      this.disabled = true;
    }
  </script>
</body>
```
- ☐ C.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable()" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable()" />
  <script>
    function disable() {
      document.getElementById("btn" + this.name).disabled = true;
    }
  </script>
</body>
```
- ☐ D.

```
<body>
  <input id="btnSubmit" type="button" value="Submit" onclick="disable(me)" />
  <input id="btnCancel" type="button" value="Submit" onclick="disable(me)" />
  <script>
    function disable(ctrl) {
      ctrl.disabled = true;
    }
  </script>
</body>
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: A

Explanation:

* this, in disable(this), refers to the clicked button.

* The disabled attribute is a boolean attribute.

When present, it specifies that the <input> element should be disabled. A disabled input element is unusable and un-clickable.

The disabled attribute can be set to keep a user from using the <input> element until some other condition has been met (like selecting a checkbox, etc.). Then, a JavaScript could remove the disabled value, and make the <input> element usable.

Reference: HTML <input> disabled Attribute

NEW QUESTION 83

You are developing an HTML5 web application for a surveyor company that displays topographic images.

The application must:

Display the topographic images at different zoom levels without loss of detail Print the topographic images without loss of detail

Work from only one source file for each topographic image

You need to ensure that the topographic images display according to the requirements. Which HTML5 element should you use?

- A. SVG
- B. CANVAS
- C. SAMP
- D. AREA

Answer: A

Explanation:

* SVG stands for Scalable Vector Graphics SVG is used to define graphics for the Web SVG is a W3C recommendation

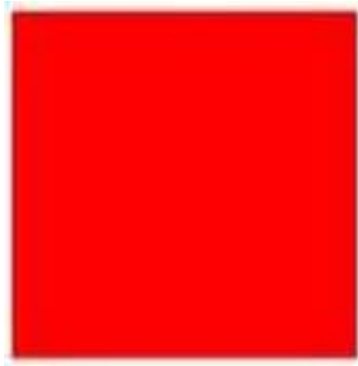
* The HTML <svg> element (introduced in HTML5) is a container for SVG graphics. SVG has several methods for drawing paths, boxes, circles, text, and graphic images. Reference: HTML5 SVG

NEW QUESTION 85

DRAG DROP

An HTML page has a CANVAS element.

You need to draw a red rectangle on the CANVAS element dynamically. The rectangle should resemble the following graphic.



How should you build the code segment? (To answer, drag the appropriate line of code to the correct location. Each line of code may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

```
context.fillRect(50, 50, 100, 100);
```

```
context.fillStyle = "rgb(255, 0, 0)";
```

```
var canvas = document.getElementById('mycanvas');
```

```
var canvas = document.BeginPath();
```

```
context.fillRect(50, 50, 100, 100);
```

```
.....
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<canvas id="mycanvas" width="300" height="300"></canvas>
```

```
<script type="text/javascript">
```

```
var context = canvas.getContext('2d');
```

```
</script>
```

```
</body>
```

```
</html>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Example:

Drawing with JavaScript

```
<script>
```

```
var c = document.getElementById("myCanvas"); var ctx = c.getContext("2d");
```

```
ctx.fillStyle = "#FF0000"; ctx.fillRect(0,0,150,75);
```

```
</script>
```

Reference: HTML5 Canvas http://www.w3schools.com/html/html5_canvas.asp

NEW QUESTION 87

You are modifying a website. The body of the page will be divided into two sections: A content section will contain blog posts and comments. An area on the right-hand side will contain advertisements. The page is defined by the following HTML.


```
<table width="100%" border="1">
  <tr>
    <td class="header" colspan="2">
      Welcome to My Blog!
    </td>
  </tr>
  <tr>
    <td width="70%">
      ...
    </td>
    <td width="30%">
      ...
    </td>
  </tr>
  <tr>
    <td class="footer" colspan="2">
      ...
    </td>
  </tr>
</table>
```

The site must conform to HTML5 standards and must use HTML5 semantic tags.

You need to ensure that the advertisements are on the rightmost section of the page. Which tag should you use?

- A. <aside>
- B. <div>
- C. <article>
- D. <footer>

Answer: A

Explanation:

The <aside> tag defines some content aside from the content it is placed in. The aside content should be related to the surrounding content. aside is now acceptable for secondary content when not nested within an article element. Reference: HTML <aside> Tag

NEW QUESTION 88

You are developing an HTML5 web application and are styling text. You need to use the text-transform CSS property. Which value is valid for the text-transform property?

- A. Lowercase
- B. Blink
- C. Line-through
- D. 20px

Answer: A

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Reference: CSS text-transform Property

NEW QUESTION 90

You are developing an HTML5 web application and are styling text. You need to use the text-transform CSS property. Which value is valid for the text-transform property?

- A. Capitalize
- B. Hidden
- C. Italic
- D. Line-through

Answer: A

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Example

Transform text in different elements: h1 {text-transform:uppercase;}

h2 {text-transform:capitalize;} p {text-transform:lowercase;}

Reference: CSS text-transform Property

http://www.w3schools.com/cssref/pr_text_text-transform.asp

NEW QUESTION 95

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A. <tbody>
- B. <article>
- C. <div>

D.

Answer: B

Explanation:

The <article> tag specifies independent, self-contained content.

An article should make sense on its own and it should be possible to distribute it independently from the rest of the site.

Potential sources for the <article> element: Forum post

Blog post

News story Comment

NEW QUESTION 99

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

A.

B. <nav>

C. <cabl>

D. <section>

Answer: D

Explanation:

The <section> tag defines sections in a document. Such as chapters, headers, footers, or any other sections of the document.

NEW QUESTION 101

You are developing an HTML5 web application and are styling text. You need to use the text- transform CSS property.

Which value is valid for the text-transform property?

A. red

B. hidden

C. lowercase

D. italic

Answer: C

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Example

Transform text in different elements: h1 {text-transform:uppercase;}

h2 {text-transform:capitalize;} p {text-transform:lowercase;}

Reference: CSS text-transform Property http://www.w3schools.com/cssref/pr_text_text-transform.asp

NEW QUESTION 104

You are developing an HTML5 web application and are styling text. You need to use the text-transform CSS property.

Which value is valid for the text-transform property?

A. Italic

B. Red

C. Capitalize

D. Line-through

Answer: C

Explanation:

CSS Syntax

text-transform: none|capitalize|uppercase|lowercase|initial|inherit; Example

Transform text in different elements: h1 {text-transform:uppercase;}

h2 {text-transform:capitalize;} p {text-transform:lowercase;}

Reference: CSS text-transform Property http://www.w3schools.com/cssref/pr_text_text-transform.asp

NEW QUESTION 108

You develop an HTML5 webpage. You have the following HTML markup: (Line numbers are for reference only.)

```
01 <table>
02   <tr>
03     <th>Fruit</th>
04     <th>Quantity</th>
05     <th>Price</th>
06   </tr>
07   <tr>
08     <td>Apples</td>
09     <td>48</td>
10     <td>$0.29</td>
11   </tr>
12   <tr>
13     <td>Bananas</td>
14     <td>72</td>
15     <td>$0.19</td>
16   </tr>
17   <tr>
18     <td>Watermelon</td>
19     <td>14</td>
20     <td>$3.99</td>
21   </tr>
22 </table>
```

The webpage also contains the following CSS markup:

```
table { border: 1px solid black; font-family: Arial; }
tr:nth-child(odd) { background-color: red; }
tr td:nth-of-type(even) {background-color: blue; }
```

You need to determine how the webpage will appear when the CSS styles are applied. Select two.

- A. The first row of the table will have a red background.
- B. The second row of the table will have a red background.
- C. The second cell in the first row of the table will have a blue background.
- D. The second cell in the third row of the table will have a blue background.
- E. The second cell in the third row of the table will have not have blue background.

Answer: AE

Explanation:

Fruit	Quantity	Price
Apples	48	\$0.29
Bananas	72	\$0.19
Watermelon	14	\$3.99

NEW QUESTION 111

You are developing a customer web form that includes following HTML.

```
<input id= "textAccountType"/>
```

You need to develop the form so that customers can enter only a valid account type consisting of two English alphabet characters.

Which code segment should you use?

- ☐ A.

```
function validate() {
    var value = $("#txtAccountType").text();
    if (value == null || value == "")
        alert("please enter valid account type");
    return;
}
```
- ☐ B.

```
function validate() {
    var value = $("#txtAccountType").val();
    var regex = /^[A-Za-z]{2}$/;
    if (!regex.test(value) || value == "")
        alert("please enter valid account type");
    return;
}
```
- ☐ C.

```
function validate() {
    var value = $("#txtAccountType").val();
    if (value == null || value == "")
        alert("please enter valid account type");
    return;
}
```
- ☐ D.

```
function validate() {
    var value = $("#txtAccountType").text();
    var regex = /^[A-Za-z]{2}$/;
    if (!regex.test(value) || value == "")
        alert("please enter valid account type");
    return;
}
```

- A. Option A
 B. Option B
 C. Option C
 D. Option D

Answer: B

Explanation:

HTML <input> pattern Attribute

The pattern attribute specifies a regular expression that the <input> element's value is checked against.

Example

An HTML form with an input field that can contain only two letters (no numbers or special characters):

```
<form action="demo_form.asp">
```

```
Country code: <input type="text" name="country_code" pattern="[A-Za-z]{2}" title="Three letter country code">
```

```
<input type="submit">
```

```
</form>
```

Reference: HTML <input> pattern Attribute http://www.w3schools.com/tags/att_input_pattern.asp

NEW QUESTION 114

DRAG DROP

You have the following code:

```
01 $(document).ready(function () {
02     $('#submit').click(function () {
03         $.getJSON({
04             url: "url/GetImage",
05             success: function (result) {
06                 var personImage = new PersonImage(result);
07                 $('#happy').html(personImage.img);
08             }
09         });
10     });
11 });
12 function PersonImage(image) {
13
14 }
```

The web service returns a JSON object that contains two properties named Description and FileName.

The PersonImage object must meet the following requirements: Create an object that represents an image that will be displayed.

Set the image properties from the values that are returned by the web service. Expose the image as a property of the PersonImage object.

You need to insert code at line 13 to complete the implementation of the PersonImage object.

Which three actions should you perform in sequence to complete the implementation? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

Answer Area	
 <pre>img.alt = image.Description; img.src = image.FileName;</pre>	
 <pre>return this.toHTMLImage();</pre>	
 <pre>return this.img;</pre>	
 <pre>this.img = img;</pre>	
 <pre>this.img = new document.images();</pre>	
 <pre>this.img = document.createElement('img');</pre>	
 <pre>var img = document.createElement('img');</pre>	
 <pre>this.img.Description = image.Description; this.img.FileName = image.FileName;</pre>	

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1: var img = document.createElement('img'); Box 2: img.alt = image.Description;
 img src = image.FileName; Box 3: return this.img; Note:

* Image Object

The Image object represents an embedded image.

For each tag in an HTML document, an Image object is created.

Notice that images are not technically inserted into an HTML page, images are linked to HTML pages. The tag creates a holding space for the referenced image.

* Image Object Properties include

alt, Sets or returns the value of the alt attribute of an image src, Sets or returns the value of the src attribute of an image

NEW QUESTION 115

HOTSPOT

You develop an HTML messaging application that allows users to send messages. The messages can have an optional file attachment that is identified by a filename.

You use the following function to send a message:

```
function send(to, args) {
    if (args.fileName !== undefined) {
        sendFile(to, args.message, args.fileName);
    } else {
        sendMessage(to, args.message);
    }
}
```

You need to send a message with a file attachment.

How should you complete the relevant code? (To answer, select the appropriate option from each drop-down list in the answer area.)

```
var recipient = $('to').val();
var body = $('body').val();
var fileName = $('fileName').val();

send(recipient, { });

var recipient = $('to').val();
var body = $('body').val();
var fileName = $('fileName').val();

send(recipient, { });
```

message: body,
message = body,
[message] = body,
args.message(body),

fileName: fileName
fileName = filename
args[fileName] = fileName
new args.fileName(fileName)

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Object Properties

The name:values pairs (in JavaScript objects) are called properties.

var person = {firstName:"John", lastName:"Doe", age:50, eyeColor:"blue"}; Reference: JavaScript Objects

NEW QUESTION 118

DRAG DROP

A company asks you to create a function that displays loan amounts to their customers. You must create the function by using JavaScript to meet the following requirements: Display three different loan amounts to each customer.

Display loan amounts in order starting with the greatest amount and ending with the least amount. You need to implement the function.

How should you complete the relevant code? (To answer, drag the appropriate command or commands to the correct location or locations in the answer area. Use only commands that apply.)

showSomeLoanAmount();

showAnotherLoanAmount();

var loanAmount = 400;

var loanAmount = 800;

var loanAmount = 1000;

Answer Area

```
function showLoanAmounts() {  
      
    function showSomeLoanAmount() {  
          
        function showAnotherLoanAmount() {  
              
            alert(loanAmount);  
        }  
          
        alert(loanAmount);  
    }  
    showSomeLoanAmount();  
    alert(loanAmount);  
}
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

* The innermost assignment to the loanAmount variable should be the highest.

* Local variables have local scope: They can only be accessed within the function. Example

// code here can not use carName function myFunction() {

var carName = "Volvo";

// code here can use carName

}

* A variable declared outside a function, becomes GLOBAL.

A global variable has global scope: All scripts and functions on a web page can access it.

Example

```
var carName = " Volvo";  
// code here can use carName function myFunction() {  
// code here can use carName  
}
```

* The alert() method displays an alert box with a specified message and an OK button.

An alert box is often used if you want to make sure information comes through to the user. Reference: JavaScript Scope

NEW QUESTION 123

DRAG DROP

You develop an HTML application that calls a Simple Object Access Protocol (SOAP) web service to retrieve data.

You need to load data from the web service.

What should you do? (To answer, drag the appropriate code segment or code segments to the correct location or locations in the answer area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* contentType

contentType is the type of data you're sending.

We have to send the content-type of application/soap+xml as this is the only type that the web service allow.

* type

We post a SOAP request.

* dataType:

dataType is what you're expecting back from the server: json, html, text, xml, etc. jQuery will use this to figure out how to populate the success function's parameter.

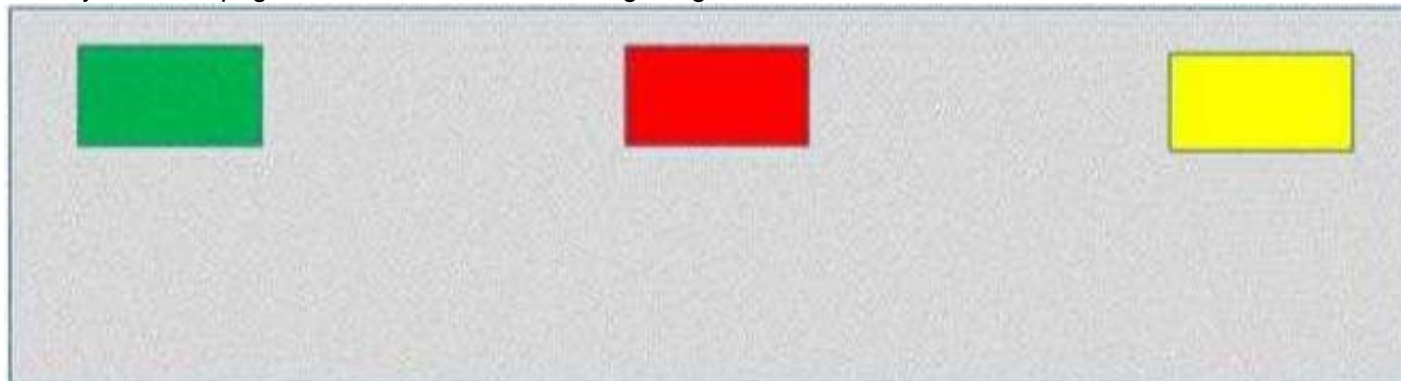
NEW QUESTION 124

HOTSPOT

You are developing a web page.

The webpage must display a container. The container must display three colored rectangles near the top of the container. The colored rectangles are, in order, green, red, and yellow. The rectangles are aligned horizontally and evenly spaced across the width of the container.

The layout of the page must resemble the following image:



You need to ensure that the page renders properly.

How should you complete the relevant styles? (To answer, select the appropriate option from each drop-down list in the answer area.)


```
<style>
  .box {
    display: -ms-flexbox;
    -ms-flex-direction: row;

    -ms-flex-align: [dropdown];

    -ms-flex-pack: [dropdown];

    width: 550px;
    height: 400px;
  }
</style>

<style>
  .box {
    display: -ms-flexbox;
    -ms-flex-direction: row;

    -ms-flex-align: [dropdown];
    end
    start
    center
    stretch

    -ms-flex-pack: [dropdown];
    end
    start
    center
    stretch

    width: 550px;
    height: 400px;
  }
</style>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* -ms-flex-align

center: The flexbox item's margin box is centered in the cross axis within the line.

* -ms-flex-pack

The 'flex-pack' property defines the flexibility of these packing spaces. Reference: CSS property '-ms-flex-align'; CSS property '-ms-flex-pack'

NEW QUESTION 127

DRAG DROP

You create the following JavaScript code:

```
var myApplication = myApplication || {};
myApplication.LoanCalculator = function (displayControl, principle, term, rate) {
  this.Principle = principle;
  this.Term = term;
  this.Rate = rate / 1200;
  this.PaymentAmount = 0;
  this.showPayment = document.getElementById(displayControl);
};
myApplication.LoanCalculator.prototype = {
  CalculatePayment: function () {
    this.PaymentAmount = (this.Principle * this.Rate / (1 - (Math.pow(1/(1 + this.Rate), this.Term)))).toFixed(2);
    this.showPayment.innerHTML = '$' + this.PaymentAmount;
  },
  ShowCanWeAfford: function () {
  }
};
```

You must complete the ShowCanWeAfford() function:

Display the message Denied! If the PaymentAmount variable is greater than 500. Display the message Approved! If the PaymentAmount variable is less than 300.

Display the message Approved with caution! If the PaymentAmount variable is less than 500 and greater than 300.

You need to add statements to the ShowCanWeAfford() JavaScript function to meet the requirements.

Which three actions should you perform in sequence? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

Answer Area

```
else if (this.PaymentAmount == 300) {  
    alert('Approved!');  
}
```

```
else if (this.PaymentAmount > 500 &&  
this.PaymentAmount < 300) {  
    alert('Approved with caution!');  
}
```

```
else if (this.PaymentAmount < 300) {  
    alert('Approved!');  
}
```

```
if (this.PaymentAmount > 500) {  
    alert('Denied!');  
}
```

```
if (this.PaymentAmount >= 500) {  
    alert('Denied!');  
}
```

```
else {  
    alert('Approved with caution!');  
}
```

```
if (this.PaymentAmount >> 500) {  
    alert('Denied!');  
}
```

```
else if (this.PaymentAmount << 300) {  
    alert('Approved!');  
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1:

```
if (this.PaymentAmount > 500) {  
    alert('Denied!');  
}
```

Box 2:

```
else if (this.PaymentAmount < 300) {  
    alert('Approved!');  
}
```

Box 3:

```
else {  
    alert('Approved with caution!');  
}
```

Note:

Use > for greater than comparison. Use < for less than comparison.

NEW QUESTION 130

HOTSPOT

You review a web form that contains the following markup and code:

```
<!DOCTYPE html>
<html>
  <head>
    <script type="text/javascript">
      function check1(currentTextBox) {
        if (currentTextBox.value === null || currentTextBox.value === '')
          currentTextBox.style.background = '#ffffac';
        else
          currentTextBox.style.background = '#ffffff';
      }
      function check2() {
        var obj = document.getElementsByTagName('input');
        for (var i = 0; i < (obj.length - 1); i++) {
          obj[i].style.background = '#ffffac';
        }
      }
    </script>
  </head>
  <body>
    <input type="text" id="text1" onfocus="check1(this)" onblur="check1(this)">
    <input type="text" id="text2" onfocus="check1(this)" onblur="check1(this)">
    <input type="button" value="next" onclick="check2()">
  </body>
</html>
```

You need to ascertain how the webpage responds when it loads and how it reacts to user actions.

For each statement in the table, select Yes if the code segment above causes the page to behave as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of behavior
<input type="radio"/>	<input type="radio"/>	Both text boxes are displayed with a yellow background when the page loads.
<input type="radio"/>	<input type="radio"/>	The background color of both text boxes changes to yellow each time the text boxes receive the focus.
<input type="radio"/>	<input type="radio"/>	If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Yes	No	Description of behavior
<input type="radio"/>	<input checked="" type="radio"/>	Both text boxes are displayed with a yellow background when the page loads.
<input type="radio"/>	<input checked="" type="radio"/>	The background color of both text boxes changes to yellow each time the text boxes receive the focus.
<input checked="" type="radio"/>	<input type="radio"/>	If a text box contains a value, the background color of the text box changes to white each time the text box loses the focus.

NEW QUESTION 133

HOTSPOT

You test a webpage that contains the following JavaScript code:


```
<script type="text/javascript">
  onerror = unhandled;
  function unhandled(msg, url, line) {
    alert('There has been an unhandled exception.');
```

The webpage also contains the following markup:

```
Integer 1: <input type="text" id="int1" /><br />
Integer 2: <input type="text" id="int2" /><br /><br />
<input type="button" name="add" value="Add" onclick="add();" />
<input type="button" name="divide" value="Divide" onclick="divide();" />
```

You need to ascertain how the webpage responds when the user enters characters and then clicks the add and divide buttons. For each statement in the table, select Yes if the action causes the webpage to behave as described. Select No if it does not. Make only one selection in each column.

Yes	No	Description of Behavior
<input type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 3 in the int2 textbox, and then clicks the add button, the webpage displays an alert message with a value of 5.
<input type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 0 in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.
<input type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the letter a in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Yes	No	Description of Behavior
<input type="radio"/>	<input checked="" type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 3 in the int2 textbox, and then clicks the add button, the webpage displays an alert message with a value of 5.
<input type="radio"/>	<input checked="" type="radio"/>	If the user enters the number 2 in the int1 textbox, the number 0 in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.
<input checked="" type="radio"/>	<input type="radio"/>	If the user enters the number 2 in the int1 textbox, the letter a in the int2 textbox, and then clicks the divide button, the unhandled JavaScript function runs.

NEW QUESTION 136

You develop an HTML5 web application. The web application contains a form that allows users to enter only their month of birth. The value that the users enter must be numbers between 1 and 12, inclusive. You need to implement the form element for the month of birth. Which element should you use?

- A. <input type="time" options="month" />
- B. <input types="submit" value="month" />
- C. <input type="range" min="1" max="12" />
- D. <input type="month" itemscope="numeric" />

Answer: C

Explanation:

Example:

```
</head>
```

```
<body>
```

```
<input type="range" name="rangeInput" min="0" max="100" onchange="updateTextInput(this.value);">
```

```
<input type="text" id="textInput" value="">
```

```
</body>
```

```
</html>
```

NEW QUESTION 137

You are developing an HTML5 web application for an architectural company that displays architectural blueprints.

The application must:

Display the blueprints at different zoom levels without loss of detail Print the blueprints without loss of detail

Work from only one source file per blueprint

You need to ensure that blueprints display according to the requirements. Which HTML5 element should you use?

- A. CANVAS
- B. SAMP
- C. SVG
- D. AREA

Answer: C

Explanation:

* SVG stands for Scalable Vector Graphics SVG is used to define graphics for the Web SVG is a W3C recommendation

* The HTML <svg> element (introduced in HTML5) is a container for SVG graphics. SVG has several methods for drawing paths, boxes, circles, text, and graphic images.

Reference: HTML5 SVG

NEW QUESTION 140

You are developing an application that analyzes population data for major cities in the United States. The application retrieves population statistics for a city by using a web service.

You need to request data from the web service by using jQuery. Which code segment should you use?

- ☐ A.

```
$.ajax({  
    url: "Services/WSAjax.aspx/GetPopulationCity?city='Boston'",  
    dataType: "text", type: "POST"  
});
```
- ☐ B.

```
$.ajax({  
    url: "Services/WSAjax.aspx/GetPopulationCity",  
    dataType: "text", type: "SEND", data: { city: "Boston" }  
});
```
- ☐ C.

```
$.ajax({  
    url: "Services/WSAjax.aspx/GetPopulationCity?city='Boston'",  
    dataType: "text", type: "SEND"  
});
```
- ☐ D.

```
$.ajax({  
    url: "Services/WSAjax.aspx/GetPopulationCity",  
    dataType: "text", type: "POST", data: { city: "Boston" }  
});
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

* type:

We post a SOAP request.

* data:

Data to be sent to the server.

The data option can contain either a query string of the form key1=value1&key2=value2, or an object of the form {key1: 'value1', key2: 'value2'}.

Reference: jQuery.ajax()

NEW QUESTION 141

You are modifying a blog site to improve search engine readability.

You need to group relevant page content together to maximize search engine readability. Which tag should you use?

- A. <article>
- B.
- C. <tbody>
- D. <cd>

Answer: A

Explanation:

How the Changes in HTML 5 Will Affect SEO (Search Engine Optimization)?

As a SEO expert, you are most likely interested mainly in those changes in the HTML 5 specification, which will affect your work. Here is one of them:

A new <article> tag. The new <article> tag is probably the best addition from a SEO point of view. The <article> tag allows to mark separate entries in an online publication, such as a blog or a magazine. It is expected that when articles are marked with the <article> tag, this will make the HTML code cleaner because it will reduce the need to use <div> tags. Also, probably search engines will put more weight on the text inside the <article> tag as compared to the contents on the other parts of the page.

NEW QUESTION 146

DRAG DROP

You are developing a shared library to format information. The library contains a method named _private.

The _private method must never be called directly from outside of the shared library. You need to implement an API for the shared library.

How should you complete the relevant code? (Develop the solution by selecting the required code segments and arranging them in the correct order. You may not need all of the code segments.)

Answer Area

```
Formatter.prototype.parseValue =
function (input) {
    return _private(input);
}
```

```
prototype.parseValue = _private(input);
```

```
this._private = function (data) {
    return custom(data);
}
```

```
}
```

```
return {
    parseValue: function (input)
    { return _private(); }
}
```

```
function getFormatter() {
```

```
var _private = function (data) {
    return custom(data);
};
```

```
this.parseValue = function (input) {
    return _private(input);
};
```

```
$('#parseValue') = function (input) {
    return _private(input);
};
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1:

```
function getFormatter() {
```

Box 2:


```
Formatter.prototype.parseValue =  
function (input) {  
    return _private(input);  
}
```

Box 3:

```
this._private = function (data) {  
    return custom(data);  
}
```

Box 4:

```
}
```

Note:

```
$('#parseValue') = function (input) {  
    return _private(input);  
};
```

* Here there is a basic example:

```
// our constructor  
function Person(name, age){ this.name = name; this.age = age;  
};  
// prototype assignment Person.prototype = (function(){  
// we have a scope for private stuff  
// created once and not for every instance function toString(){  
return this.name + " is " + this.age;  
};  
// create the prototype and return them return {  
// never forget the constructor ... constructor:Person,  
// "magic" toString method toString:function(){  
// call private toString method return toString.call(this);  
}  
};  
})();
```

* Example:

```
You can simulate private methods like this: function Restaurant() {  
}  
Restaurant.prototype = (function() { var private_stuff = function() {  
// Private code here  
};  
return { constructor:Restaurant, use_restroom:function() {  
private_stuff();  
}  
};  
})();  
var r = new Restaurant();  
// This will work: r.use_restroom();  
// This will cause an error: r.private_stuff();
```

NEW QUESTION 147

You develop a webpage by using HTML5. You create the following markup:

```
<input type "url" name= "website" required="required" />
```

You need to ensure that the value that the user enters contains a secure URL. What should you do?

- A. Add the following attribute to the input tag: value="https://v
- B. Add the following attribute to the input tag: pattern="https://.+"
- C. Add the following attribute to the input tag: value="ssl"
- D. Add the following attribute to the input tag: itemtype="https"

Answer: B

Explanation:

Note:

- * The pattern attribute is supported in Internet Explorer 10, Firefox, Opera, and Chrome.
- * The pattern attribute specifies a regular expression that the <input> element's value is checked against.
- * The pattern attribute works with the following input types: text, search, url, tel, email, and password

NEW QUESTION 150

You develop a webpage by using HTML5. You create the following markup and code: (Line numbers are included for reference only.)

```
01 <head>
02   <script>
03     function removeInvalid(input) {
04
05     }
06   </script>
07 </head>
08 <body>
09   Given Name: <input type="text" id="GivenName" onblur="removeInvalid(this);" />
10   Surname: <input type="text" id="Surname" onblur="removeInvalid(this);" />
11 </body>
```

You need to ensure that the values that users enter are only numbers, letters, and underscores, regardless of the order. Which code segment should you insert at line 04?

- ☐ A. `if (!/^[A-Za-z0-9_]+$/.test(input.value))
 input.value = "Invalid";`
- ☐ B. `if (!/^[^A-Za-z0-9_]/.test(input.value))
 input.value = "Invalid";`
- ☐ C. `var regEx = new RegExp("^\\w");
if (!input.value.match(regEx))
 input.value = "Invalid";`
- ☐ D. `var regEx = "[\\w\\d]";
if (!input.value.match(regEx))
 input.value = "Invalid";`

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

Explanation:

Example:

Sometimes situations arise when user should fill a single or more than one fields with alphabet characters (A-Z or a-z) in a HTML form. You can write a JavaScript form validation script to check whether the required field(s) in the HTML form contains only letters. –

Javascript function to check for all letters in a field view plainprint?

```
function allLetter(inputtxt)
{
var letters = /^[A-Za-z]+$/.test(inputtxt.value);
if(inputtxt.value.match(letters))
{
return true;
}
else
{
alert("message"); return false;
}
}
```

To get a string contains only letters (both uppercase or lowercase) we use a regular expression (/^[A-Za-z]+\$/) which allows only letters. Next the match() method of string object is used to match the said regular expression against the input value.

Reference: JavaScript : HTML Form validation - checking for all letters

NEW QUESTION 151

DRAG DROP

You create a webpage that includes the following HTML markup: (Line numbers are included for reference only.)

```
01 <!DOCTYPE html>
02 <html>
03   <head>
04     <script src="jquery.js"></script>
05   </head>
06   <body>
07     <p>Type OK to validate form.</p>
08     <form action="javascript:alert('success!');">
09       <div>
10         <input type="text" />
11         <input type="submit" />
12       </div>
13     </form>
14     <script>
15
16   </script>
17 </body>
18 </html>
```

You need to ensure that a form cannot be submitted unless the INPUT element contains the word OK.

Which five actions should you perform in sequence? (To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.)

	Answer Area
<code>);</code>	
<code>\$("#form").submit(function () {</code>	
<code>return false;</code> <code>}</code>	
<code>return true;</code> <code>}</code>	
<code>if (\$("#input:first_child").val() == "OK") {</code>	
<code>if (\$("#input:first").val() == "OK") {</code>	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

	Answer Area
<code>);</code>	<code>\$("#form").submit(function () {</code>
<code>\$("#form").submit(function () {</code>	
<code>return false;</code> <code>}</code>	<code>if (\$("#input:first").val() == "OK") {</code>
<code>return true;</code> <code>}</code>	<code>return true;</code> <code>}</code>
<code>if (\$("#input:first_child").val() == "OK") {</code>	<code>return false;</code> <code>}</code>
<code>if (\$("#input:first").val() == "OK") {</code>	<code>);</code>

NEW QUESTION 153

HOTSPOT

```
<!DOCTYPE html>
<html>
  <head>
    <style type="text/css">
      .container {
        display: -ms-grid;
        -ms-grid-columns: 1fr 1fr 1fr;
        -ms-grid-rows: 1fr 1fr 1fr;
      }
      .blueBox {
        -ms-grid-row: 2;
        -ms-grid-column: 2;
        -ms-wrap-flow: auto;
        float:none;
        background-color: blue;
      }
      .text {
        -ms-grid-row: 1;
        -ms-grid-column: 1;
        -ms-grid-column-span: 3;
        -ms-grid-row-span: 3;
      }
    </style>
  </head>
  <body>
    <div class="body">
      <div name="container" class="container">
```

How does the page render? For each statement in the table, select Yes if the behavior is described. Select No if it is not. Make only one selection in each column.

Yes	No	
<input type="radio"/>	<input type="radio"/>	Content in the DIV element named content flows around all sides of the DIV element named blueBox .
<input type="radio"/>	<input type="radio"/>	The DIV element named blueBox will always be displayed at row 2, column 2 of the grid.
<input type="radio"/>	<input type="radio"/>	Content in the DIV element named content will fill all cells in the grid.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Yes	No	
<input type="radio"/>	<input checked="" type="radio"/>	Content in the DIV element named content flows around all sides of the DIV element named blueBox .
<input checked="" type="radio"/>	<input type="radio"/>	The DIV element named blueBox will always be displayed at row 2, column 2 of the grid.
<input checked="" type="radio"/>	<input type="radio"/>	Content in the DIV element named content will fill all cells in the grid.

NEW QUESTION 154

You are creating a web page that contains a canvas with text. The page contains the following JavaScript code. (Line numbers are included for reference only.)

```
01 var canvas = document.getElementById('myCanvas');
02 var context = canvas.getContext('2d');
03
```

The text on the canvas must rotate 90 degrees when a user clicks a button on the page. You need to ensure that the text rotates when the user clicks the button. Which line of code should you add at line 03?

- A. context.transform(90);
- B. context.content.getRotation(90);
- C. context.rotate(90);
- D. context.content.rotate (90);

Answer: C

Explanation:

The rotate() method rotates the current drawing. Example

Rotate the rectangle 20 degrees: JavaScript:

```
var c=document.getElementById("myCanvas"); var ctx=c.getContext("2d"); ctx.rotate(20*Math.PI/180); ctx.fillRect(50,20,100,50);
```

Reference: HTML canvas rotate() Method

NEW QUESTION 155

HOTSPOT

You implement a callback function by using JavaScript. You need to process the returned XML data.

How should you complete the relevant code? (To answer, select the appropriate option from each drop-down list in the answer area.)

```
<script>
function getStatus(url, callback) {
    var httpRequest = new XMLHttpRequest();
    httpRequest.onreadystatechange = function () {
        if (httpRequest.readyState === 4
            && httpRequest.status === 200) {
            [ ]
        }
    };
    httpRequest.open('GET', url);
    httpRequest.send();
}

function start(url) {
    getStatus(url, function () {
        [ ]
    });
}
</script>
<script>
function getStatus(url, callback) {
    var httpRequest = new XMLHttpRequest();
    httpRequest.onreadystatechange = function () {
        if (httpRequest.readyState === 4
            && httpRequest.status === 200) {
            [ ]
            callback.call(httpRequest);
            httpRequest.setRequestHeader();
            callback.call(httpRequest.responseXML);
            callback = httpRequest.getResponseHeader();
        }
    };
    httpRequest.open('GET', url);
    httpRequest.send();
}

function start(url) {
    getStatus(url, function () {
        [ ]
        processResults(this);
        processResults(url.callback);
        processResults(this.XMLHttpRequest());
        processResults(url.callback.responseXML);
    });
}
</script>
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* Example:

```
httpRequest.onreadystatechange = function() {  
  // inline function to check the status  
  // of our request  
  // this is called on every state change if (httpRequest.readyState === 4 && httpRequest.status === 200) {  
  callback.call(httpRequest.responseXML);  
  // call the callback function  
  }  
};  
// call the function some_function2("text.xml", function() {  
console.log(this);  
});  
Reference: understand callback functions in Javascript
```

NEW QUESTION 157

You are developing an HTML5 web application that displays stock information. The application loads information from a web service by using AJAX. The following code defines a Stock object and loads stock data.

```
function Stock(symbol) {  
  this.symbol = symbol;  
  this.low = 0;  
  this.high = 0;  
}  
  
Stock.prototype.parseStock = function (data) {  
  this.low = data.low;  
  this.high = data.high;  
}  
  
Stock.prototype.loadStock = function () {  
  
}
```

You need to implement the loadStock function. Which code segment should you use?

- ☐ A.

```
var stock = this;  
$.get('data.xml', function (data) {  
  stock.parseStock(data);  
});
```
- ☐ B.

```
$.get('data.xml', function (data, innerScope) {  
  innerScope.parseStock(data);  
});
```
- ☐ C.

```
$.get('data.xml', function (data) {  
  this.parseStock(data);  
});
```
- ☐ D.

```
$.get('data.xml', function (data) {  
  (function (scope) {  
    scope.parseStock(data);  
  })(data);  
});
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

NEW QUESTION 161

DRAG DROP

You create an HTML5 application that includes JavaScript. The application performs several AJAX requests. One AJAX request retrieves order information from a web service and then sends the information back to a webpage within the application.

You must create a custom event. You have the following requirements:

The webpage must contain an HTML element named ordersListing that will receive the custom event notification.

The event name must be ordersReceived.

The event must pass a custom value named orderCount.

The event must run a JavaScript method named showOrdersReceivedCount after the orders Listing HTML element receives the event.

Do not allow other DOM elements to receive the event. Allow the event to be cancelled.

Send the event into the event system.

You need to implement the custom event to notify specific DOM elements of the AJAX response. Which three actions should you perform in sequence? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

Answer Area

```
ordersListing.dispatchEvent(new CustomEvent  
("ordersReceived", {  
  detail: {  
    orderCount: 5  
  },  
  bubbles: false,  
  cancelable: true  
}));
```

```
var ordersReceivedEvent = new CustomEvent  
("ordersReceived", {  
  bubbles: true,  
  cancelable: true  
});
```

```
ordersListing.addEventListener  
("orders", showOrders);
```

```
ordersReceived.dispatchEvent  
(ordersReceivedEvent);
```

```
var ordersReceived = document.getElementById  
("ordersReceived");
```

```
var ordersListing = document.getElementById  
("ordersListing");
```

```
ordersListing.addEventListener  
("ordersReceived", showOrdersReceivedCount);
```

```
ordersListing.dispatchEvent(new CustomEvent  
("ordersReceived", {  
  detail: {  
    orderCount: 5  
  },  
  bubbles: true,  
  cancelable: false  
}));
```

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

* From Scenario: Do not allow other DOM elements to receive the event. So: bubbles: false

* From scenario: Allow the event to be cancelled. So: cancelable: true

* From scenario:

The webpage must contain an HTML element named ordersListing that will receive the custom event notification.

* Events which are designated as bubbling will initially proceed with the same event flow as non- bubbling events. The event is dispatched to its target EventTarget and any event listeners found there are triggered. Bubbling events will then trigger any additional event listeners found by following the EventTarget's parent chain upward, checking for any event listeners registered on each successive EventTarget. This upward propagation will continue up to and including the Document. EventListeners registered as capturers will not be triggered during this phase. The chain of EventTargets from the event target to the top of the tree is determined before the initial dispatch of the event. If modifications occur to the tree during event processing, event flow will proceed based on the initial state of the tree.

Note:

* Ajax (an acronym for Asynchronous JavaScript and XML) is a group of interrelated web development techniques used on the client-side to create asynchronous web applications. With Ajax, web applications can send data to, and retrieve data from, a server asynchronously (in the background) without interfering with the display and behavior of the existing page. Data can be retrieved using the XMLHttpRequest object. Despite the name, the use of XML is not required (JSON is

often used instead), and the requests do not need to be asynchronous.

NEW QUESTION 164

DRAG DROP

You are developing an application by using JavaScript.

You must write a function that returns the sum of the variables named v1, v2, v3, v4. You need to complete the sum function.

How should you complete the relevant code? (To answer, drag the appropriate code segment or segments to the correct location or locations in the answer area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* What is the difference between call and apply?

apply lets you invoke the function with arguments as an array; call requires the parameters be listed explicitly.

Pseudo syntax: theFunction.apply(valueForThis, arrayOfArgs) theFunction.call(valueForThis, arg1, arg2, ...)

Reference: What is the difference between call and apply?

NEW QUESTION 166

You develop an HTML5 webpage. You have the following HTML markup:

```
<label for="personname">Given and Surname:</label>
<input type="text" name="personname" /><br />
```

```
<label for="businessname">Business Name:</label>
<input type="text" name="businessname" /><br />
```

```
<label for="emailaddress">Email Address:</label>
<input type="text" name="emailaddress" />
```

You need to change the background color for all of the elements whose name attribute ends with the word name.

Which code segment should you add to the webpage?

- A. \$('input[name!="name"]').css({ 'background-color': '#E0ECF8' });
- B. \$('input[name=~name']').css({ 'background-color': '#E0ECF8' });
- C. \$('input[name="*name"]').css({'background-color': '#E0ECF8'});
- D. \$('input[name="\$name"]').css({ 'background-color': '#E0ECF8' });

Answer: C

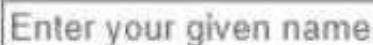
Explanation:

The string pattern "*"name" matches all strings that ends with name.

NEW QUESTION 168

You develop a webpage with a standard input control by using HTML5.

The input control must display the text Enter your given name, as shown below:



When a user selects the input control, the text must disappear. You need to create the input control.

Which input control should you use?

- A. <input name="GivenName" value=" Enter your given name" />
- B. <input name="GivenName" default=" Enter your given name" />
- C. <input name="GivenName" text=" Enter your given name" />
- D. <input name="GivenName" placeholder=" Enter your given name" />

Answer: D

Explanation:

The placeholder attribute specifies a short hint that describes the expected value of an input field (e.g. a sample value or a short description of the expected format).

The short hint is displayed in the input field before the user enters a value.

The placeholder attribute works with the following input types: text, search, url, tel, email, and password.

Reference: HTML <input> placeholder Attribute

NEW QUESTION 170

You develop an HTML5 webpage. You have the following HTML markup:

```
<section id="news">
  <h1>World News</h1>
  <article id="news1">...</article>
  <article id="news2">...</article>
  <article id="news3">...</article>
</section>
<section id="sports">
  <h1>Sports</h1>
  <article id="sports1">...</article>
  <article id="sports2">...</article>
  <article id="sports3">...</article>
</section>
```

You need to add a background color to the first article in each section. Which code segment should you add to the webpage?

- A. `$ ("section article:first-child").css("background-color", "#f2f2f2");`
- B. `$ ("section:first-child").css ("background-color", "#f2f2f2");`
- C. `$ ("article:first-of-type") .css("background-color", "#f2f2f2");`
- D. `$ ("section:first-of-type").css("background-color", "#f2f2f2");`

Answer: C

Explanation:

The `:first-of-type` selector matches every element that is the first child, of a particular type, of its parent.

Reference: CSS3 `:first-of-type` Selector

NEW QUESTION 175

You are creating a custom object as described by the following code.

```
function square(side) {
  this.side = side;
  this.area = calcArea;
}
```

You need to implement the `calcArea` method. Which code should you use?

- ☐ A.

```
function calcArea () {
  return me.side * me.side;
}
```
- ☐ B.

```
function calcArea (obj) {
  return obj.side * obj.side;
}
```
- ☐ C.

```
function calcArea () {
  return side * side;
}
```
- ☐ D.

```
function calcArea () {
  return this.side * this.side;
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

NEW QUESTION 180

You are developing an HTML5 web form to collect feedback information from site visitors. The web form must display an INPUT element that meets the following requirements: Allow numeric values between 1 and 10.

Default to the value of 5.

Display as a slider control on the page.

You need to add the INPUT element to the form. Which HTML element should you add?

- A. Rating (Between 1 and 10): `<input type="number" name="rating" min="1" max="10">`
- B. Rating (Between 1 and 10): `<input type="number" name="rating" min="1" max="10" default="5">`
- C. Rating (Between 1 and 10): `<input type="range" name="rating" min="1" max="10" default="5">`
- D. Rating (Between 1 and 10): `<input type="range" name="rating" min="10" max="10" value="5">`

Answer: C

Explanation:

input type="range"

The <input type="range"> is used for input fields that should contain a value within a range. Depending on browser support, the input field can be displayed as a slider control.

Example

<form>

<input type="range" name="points" min="0" max="10">

</form>

NEW QUESTION 182

You develop an HTML5 application. The application uses an image that is returned from an HTTP POST request.

You develop the following code: (Line numbers are included for reference only.)

```
01 var xhr = new XMLHttpRequest();
02 xhr.open('POST', '/Images/heroAccent.png', true);
03 var img = document.createElement('img');
04
05 xhr.send();
```

You need to display the loaded image in the application. Which code segment should you insert at line 04?

☐ A.

```
xhr.responseType = 'blob';
xhr.onload = function (e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.responseText);
        document.body.appendChild(img);
    }
};
```

☐ B.

```
xhr.responseType = 'blob';
xhr.onload = function(e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.response);
        document.body.appendChild(img);
    }
};
```

☐ C.

```
xhr.responseType = 'document';
xhr.onload = function (e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.responseText);
        document.body.appendChild(img);
    }
};
```

☐ D.

```
xhr.responseType = 'document';
xhr.onload = function (e) {
    if (this.status == 200) {
        img.src = window.URL.createObjectURL(this.response);
        document.body.appendChild(img);
    }
};
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

Explanation:

As an image will be returned the response type must be blob, not document. Similarly, this.response must be used not this.responseText.

Reference: createObjectURL method

NEW QUESTION 187

You develop an HTML5 webpage that contains the following HTML markup:

<input id="loanTermTextBox" type="text" />

Users must enter a valid integer value into the text box.

You need to validate the data type that is received from the input element.

Which two code segments should you include on the webpage? (Each correct answer presents a complete solution. Choose two.)

- ☐ A.

```
function validateForm() {  
    var loanTermInput = document.getElementById("loanTermTextBox");  
    var loanTerm = parseInt(loanTermInput.value, 10);  
    if (isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {  
        alert("Loan Term must be an integer");  
        return false;  
    }  
    return true;  
};
```
- ☐ B.

```
var validateForm = function () {  
    var loanTermInput = document.getElementById("loanTermTextBox");  
    var loanTerm = parseInt(loanTermInput.value, 10);  
    if (isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {  
        alert("Loan Term must be an integer");  
        return false;  
    }  
    return true;  
};
```
- ☐ C.

```
var validateForm = function () {  
    var loanTermInput = document.getElementsByName("loanTermTextBox");  
    var loanTerm = parseFloat(loanTermInput.value);  
    if (!isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {  
        alert("Loan Term must be an integer");  
        return false;  
    }  
    return true;  
};
```
- ☐ D.

```
var validateForm = function () {  
    var loanTermInput = document.getElementById("loanTermTextBox");  
    var loanTerm = parseInt(loanTermInput.text);  
    if (isNaN(loanTermInput)) {  
        alert("Loan Term must be an integer");  
        return false;  
    }  
}
```
- ☐ E.

```
var validateForm = function () {  
    var loanTermInput = document.getElementsByName("loanTermTextBox");  
    var loanTerm = JSON.parse(loanTermInput);  
    if (!isNaN(loanTerm) || loanTerm.toString() !== loanTermInput.value) {  
        alert("Loan Term must be an integer");  
        return false;  
    }  
    return true;  
};
```

- A. Option A
B. Option B
C. Option D
D. Option E

Answer: AB

Explanation:

* parseInt

The parseInt() function parses a string and returns an integer. Syntax: parseInt(string,radix)

string Required. The string to be parsed

radix Optional. A number (from 2 to 36) that represents the numeral system to be used.

* The isNaN() function determines whether a value is an illegal number (Not-a-Number). This function returns true if the value is NaN, and false if not.

Reference: JavaScript parseInt() Function; JavaScript isNaN() Function

NEW QUESTION 191

DRAG DROP

You develop an HTML5 webpage. You have the following HTML markup:

```
<div id="MapContents"></div>

```

You need to update the content of the DIV element when the mouse hovers over an image and when the mouse coordinates change.
How should you complete the relevant code? (To answer, drag the appropriate code segment to the correct location or locations in the answer area)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

* addEventListener mousemove

Use the element.addEventListener() method to attach an event handler to a specified element. onmousemove : Fires when the mouse pointer is moving while it is over an element

* The clientX property returns the horizontal coordinate (according to the client area) of the mouse pointer when a mouse event was triggered.

Example:

Output the coordinates of the mouse pointer when an mouse event has occurred: var x = event.clientX; // Get the horizontal coordinate

var y = event.clientY; // Get the vertical coordinate var coor = "X coords: " + x + ", Y coords: " + y;

The result of coor could be: X coords: 142, Y coords: 99

Reference: HTML DOM addEventListener() Method; onmousemove Event; MouseEvent clientX Property

NEW QUESTION 194

HOTSPOT

You are creating a custom CSS3 style.

You have the following requirements to complete the style: Box1 has a red outline.

Box1 contains box2, and box2 must remain inside box1 Box2 must have a green to black gradient.

Box2 must be surrounded by white space. The style resembles the following diagram:



You need to add the CSS3 code to the styles.

How should you complete the relevant code? (To answer, select the appropriate code segment in each drop-down list in the answer area.)

```
<style>
  #box1
  {
    [drop-down]
  }

  #box2
  {
    width: 6em;
    height: 4em;
    position: absolute;
    [drop-down]
    [drop-down]
  }
</style>
```



```
<style>
  #box1
  {
    margin: 5em; border: 1px solid #f00;
    margin: 5em; border-color: red;
    margin: 10px 10px 10px 10px; color: red;
    margin: 10px 10px 10px 10px; border-style: solid;
  }

  #box2
  {
    width: 6em;
    height: 4em;
    position: absolute;
    background-image: linear-gradient(to bottom, green, black);
    background-image: linear-gradient(to top, green, black);
    background-image: radial-gradient(to bottom, green, black);
    background-image: radial-gradient(to top, green, black);
    margin: 0px 0px 0px 0px;
    margin: 10px 10px 10px 10px;
    padding: 0px 0px 0px 0px;
    padding: 10px 10px 10px 10px;
  }
</style>
```

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

- * border: 1px solid #f00;
 a red border 1 pixel thick.
- * background-image: linear-gradient(to bottom, green,black); Linear Gradients (goes down/up/left/right/diagonally).
 Starts at the top with green and goes to bottom with black.
- * margin: 10px 10px 10px 10px;
 The CSS margin properties define the space around elements.
 The top, right, bottom, and left margin can be changed independently using separate properties. Incorrect:
- * border-color: red;
 will not display any border
- * Radial Gradients (defined by their center).

NEW QUESTION 199

You develop an application to host user-generated HTML and JavaScript content. A common error handler in your application must process all unhandled errors. You need to implement global error handling for the application. Which code segment should you use?

- ☐ A. `window.onerror = function () {
 ...
}`
- ☐ B. `Error.constructor = function () {
 ...
}`
- ☐ C. `Error = function () {
 ...
}`
- ☐ D. `document.onerror = function () {
 ...
}`

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

Explanation:

GlobalEventHandlers.onerror

An event handler for runtime script errors.

Syntax

window.onerror = funcRef;

Reference: GlobalEventHandlers.onerror

NEW QUESTION 204

You are creating a blog site by using HTML5 and JavaScript. An inline frame enables users to post comments. It is possible for users to inject malicious scripts into their comments.

You need to minimize the ability for malicious scripts to execute on the site. Which line of code should you use?

- A. `<iframe sandbox src="frame1.html"></iframe>`
B. `<iframe seamless="allowscripts" src="frame1.html"></iframe>`
C. `<iframe seamless src="frame1.html"></iframe>`
D. `<iframe sandbox="allowscripts" src="frame1.html"></iframe>`

Answer: A

Explanation:

The sandbox attribute enables an extra set of restrictions for the content in the iframe. Syntax

`<iframe sandbox="value">`

Attribute Values

no value: Applies all restrictions etc.

No attribute value: allowscripts (not D) Reference: HTML <iframe> sandbox Attribute

NEW QUESTION 206

You create the following JavaScript code:

```
var myApplication = myApplication || {};  
myApplication.Vehicle = function (displayControl, color, seatCount, tranType, wheelCount) {  
    this.Color = color;  
    this.NumberOfSeats = seatCount;  
    this.TransmissionType = tranType;  
    this.NumberOfWheels = wheelCount;  
    this.showVehicle = document.getElementById(displayControl);  
};  
myApplication.Vehicle.prototype = {  
    Describe: function () {  
        var valuesToDisplay = '';  
        for (var property in this) {  
            if (typeof (this[property]) === 'string')  
            {  
                valuesToDisplay += 'Vehicle ' + property + ' is ' + this[property] + '<br />';  
            }  
            else if (typeof (this[property]) === 'number')  
            {  
                if (this[property] < 4)  
                {  
                    valuesToDisplay += 'Stay safe!' + '<br />';  
                }  
                else if (this[property] >= 10)  
                {  
                    valuesToDisplay += 'Big machine!' + '<br />';  
                }  
            }  
        }  
        this.showVehicle.innerHTML = valuesToDisplay;  
    }  
};
```

You have the following requirements:

You must invoke a function that displays the vehicle information within the following HTML element:

<div id="display"x/div>

The output of the function must appear on the webpage as follows: Vehicle Color is silver

Stay safe!

Vehicle TransmissionType is manual Big machine!

You need to invoke the JavaScript function to display the required output in the HTML element. Which two code segments should you use? (Each correct answer presents a complete solution. Choose two.)

- ☐ A. `var mySportsCar = new myApplication.Vehicle('display', 'manual', 4, 'silver', 4);
mySportsCar.Describe();`
- ☐ B. `var myDumpTruck = new myApplication.Vehicle('display', 'silver', 10, 'manual', 2);
myDumpTruck.Describe();`
- ☐ C. `var myBigRig = new myApplication.Vehicle('display', 'silver', 2, 'manual', 16);
myBigRig.Describe();`
- ☐ D. `var myMotorcycle = new myApplication.Vehicle('display', 'blue', 2, 'manual', 2);
myMotorcycle.Describe();`
- ☐ E. `var myMotorhome = new myApplication.Vehicle('display', 'silver', 3, 'manual', 10);
myMotorhome.Describe();`

- A. Option A
B. Option B
C. Option C
D. Option D
E. Option E

Answer: CE

Explanation:

The second argument should be 'silver'.

The third argument should be a number less than 4.

NEW QUESTION 208

You have a webpage that includes the following markup and code:


```
<!DOCTYPE html>
<html>
  <head>
    <script>
      function start() {
        var counter = 10;
        var fun = function () {
          counter = 20;
        }
        return counter;
      }
    </script>
  </head>
  <body>
    <button id="submit" onclick="alert(start());">Start</button>
  </body>
</html>
```

You need to troubleshoot the code by clicking the Submit button. Which value will be displayed?

- A. 10
- B. 20
- C. Undefined
- D. Runtime error

Answer: A

Explanation:

* The outermost assignment, counter = 10; will decide the output that is displayed.

* Local variables have local scope: They can only be accessed within the function. Example

```
// code here can not use carName function myFunction() {
var carName = "Volvo";
// code here can use carName
}
```

* A variable declared outside a function, becomes GLOBAL.

A global variable has global scope: All scripts and functions on a web page can access it.

Example

```
var carName = "Volvo";
// code here can use carName function myFunction() {
// code here can use carName
}
```

Reference: JavaScript Scope

NEW QUESTION 212

You develop an HTML5 webpage with custom CSS. You have the following HTML markup:

```
<div class="new" Item">...</div>
```

You have the following requirements:

In addition to your CSS, you must use a corporate branded stylesheet named corporate.css. The corporate.css file contains the style rule that must be used for .newsItem.

You must use the corporate.css file to ensure that the webpage changes when the brand changes. You must add additional style rules to the webpage.

You cannot modify the corporate.css file.

You need to apply the appropriate CSS rules to meet the requirements. What should you do?

- A. Add a CSS class named .newsItemUpdates to the webpage, add only the new styles to this class, and update the class attribute of the HTML markup:<div class=nnewsItem newsItemUpdates">...</div>
- B. Update the corporate.css file to include! important for each rule for the .newsItem
- C. class, and add the new CSS rules to the webpage by using the CSS class .newsItem.
- D. Add a CSS class named .newsItemUpdates to the webpage, add the new styles to this class, and update the HTML markup to replace the .newsItem class with this new class:<div class="newsItemUpdates">...</div>
- E. Add the new CSS rules to the webpage by using the CSS class .newsItem, and add! important to each rule.

Answer: D

Explanation:

CSS attempts to create a balance of power between author and user style sheets. By default, rules in an author's style sheet override those in a user's style sheet. However, for balance, an "!important" declaration (the delimiter token "!" and keyword "important" follow the declaration) takes precedence over a normal declaration. Both author and user style sheets may contain "!important" declarations, and user "!important" rules override author "!important" rules. This CSS feature improves accessibility of documents by giving users with special requirements (large fonts, color combinations, etc.) control over presentation.

Incorrect:

Not B: It is stated that you are not allowed to update the corporate.css file. Reference: Assigning property values, Cascading, and Inheritance, !important rules

NEW QUESTION 217

You are developing an e-commerce website. Users place products into a shopping cart. You need to ensure that the shopping cart data is available between browser sessions. Which object should you use to store the shopping cart data?

- A. clientStorage
- B. localStorage

- C. applicationStorage
- D. sessionStorage

Answer: B

Explanation:

With local storage, web applications can store data locally within the user's browser. HTML local storage, better than cookies.

Before HTML5, application data had to be stored in cookies, included in every server request. Local storage is more secure, and large amounts of data can be stored locally, without affecting website performance.

Reference: HTML5 Local Storage

NEW QUESTION 220

You are creating a JavaScript object that represents a customer.

You need to extend the Customer object by adding the GetCommission method.

You need to ensure that all future instances of the Customer object implement the GetCommission method.

Which code segment should you use?

- ☐ A.

```
Customer.apply.GetCommission = function()  
{  
    alert('payroll');  
}
```
- ☐ B.

```
Customer.GetCommission = function () {  
    alert('payroll');  
}
```
- ☐ C.

```
Customer.prototype.GetCommission = function Customer.GetCommission()  
{  
    alert('payroll');  
}
```
- ☐ D.

```
Customer.prototype.GetCommission = function ()  
{  
    alert('payroll');  
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Explanation:

* Object.prototype.constructor

Returns a reference to the Object function that created the instance's prototype. Note that the value

of this property is a reference to the function itself, not a string containing the function's name. The value is only read-only for primitive values such as 1, true and "test".

* The constructor property is created together with the function as a single property of func.prototype.

Reference: Object.prototype.constructor

NEW QUESTION 224

You develop an HTML5 webpage. You have the following HTML markup:

```
<label for="personname">Given and Surname:</label>  
<input type="text" name="personname" /><br />  
  
<label for="businessname">Business Name:</label>  
<input type="text" name="businessname" /><br />  
  
<label for="emailaddress">Email Address:</label>  
<input type="text" name="emailaddress" />
```

You need to change the background color for all of the elements whose name attribute ends with the word name.

Which code segment should you add to the webpage?

- A. `$('input [name!="name"]').css ({ 'background-color' : ' #E0ECF8' }) ;`
- B. `$('input [name=~"name"]').css ({ 'background-color' : ' #E0ECF8' }) ;`
- C. `$('input [name="*name"]').css ({ 'background-color' : ' #E0ECF8' }) ;`
- D. `$('input [name="$name"]').css ({ 'background-color' : ' #E0ECF8' }) ;`

Answer: C

Explanation:

The string pattern "*name" matches all strings that ends with name.

NEW QUESTION 225

You are developing a web application by using HTML5. You have the following requirements.

The color of a menu item must change when a user hovers over the item.

The color of the menu item must change back to its original color after five seconds. You need to ensure that the animation is applied to all menu items.

Which CSS3 code should you use?

☐ A.

```
menuitem:hover {  
    color: yellow  
    opacity: 100  
    transition-timing-function: ease-in;  
    . . .  
}
```

☐ B.

```
menuitem:hover {  
    background-color: yellow;  
    transition-duration: 5s;  
    . . .  
}
```

☒ C.

```
menuitem:hover {  
    color: yellow  
    transition-property: color;  
    transition-duration: 5s;  
    . . .  
}
```

☐ D.

```
menuitem:hover {  
    color: yellow  
    transition-duration: 5s;  
    . . .  
}
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: C

Explanation:

transition-property

The transition-property property specifies the name of the CSS property the transition effect is for (the transition effect will start when the specified CSS property changes).

Tip: A transition effect could typically occur when a user hover over an element.

Note: Always specify the transition-duration property, otherwise the duration is 0, and the transition will have no effect.

CSS3 transition-property Property

NEW QUESTION 229

Your company uses a third-party component that generates HTML for a website. The third-party component creates DIV elements that display a yellow background.

The third-party component uses inline styles in the DIV elements that are inconsistent with your corporate standards. You must override the DIV elements in the style sheet with the corporate styles. You need to ensure that the website meets corporate standards.

Which style should you use?

- ☐ A. `#alldiv`
- ```
{
 background: yellow;
 font: 12px/22px Arial;
}
```
- ☐ B. `div p:only-child`
- ```
{
    background: yellow;
    font: 12px/22px Arial;
}
```
- ☐ C. `div`
- ```
{
 background: yellow !important;
 font: 12px/22px Arial !important;
}
```
- ☐ D. `div`
- ```
{
    background: yellow;
    font: 12px/22px Arial;
}
```

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

Explanation:

CSS attempts to create a balance of power between author and user style sheets. By default, rules in an author's style sheet override those in a user's style sheet. However, for balance, an "!important" declaration (the delimiter token "!" and keyword "important" follow the declaration) takes precedence over a normal declaration. Both author and user style sheets may contain "!important" declarations, and user "!important" rules override author "!important" rules. This CSS feature improves accessibility of documents by giving users with special requirements (large fonts, color combinations, etc.) control over presentation. Reference: Assigning property values, Cascading, and Inheritance, !important rules

NEW QUESTION 231

You are developing a JavaScript library. You have the following requirements:

Custom exceptions must include an error message and custom error number. These exceptions must be thrown when data validation errors occur.

Developers must call the library to easily catch the exception and identify the problem. You develop the following code. (Line numbers are included for reference only.)

```
01 function ValidationException(number, message) {
02     this.message = message;
03     this.name = "myLibrary Exception";
04     this.number = number;
05 }
06
07 function myFunction(dayOfWeek) {
08     if (dayOfWeek > 7) {
09
10     }
11 }
```

You need to complete the code to meet the requirements. Which line of code should you insert at line 09?

- A. `throw new ValidationException.Exception (123, "Day of week must be less than 7");`
B. `return new ValidationException(123, "Day of week must be less than 7");`
C. `throw ValidationException(123, "Day of week must be less than 7");`
D. `catch ValidationException(123, "Day of week: must be less than 7");`

Answer: A

Explanation:

```
Example:
if (value < -100 || value > 100)
{
throw new ValidationException(String.Format("Value is {0} than {1}.", (value > 100 ? "greater" : "less"), value));
}
```

NEW QUESTION 236

You are developing an HTML5 web application that provides a discussion forum for users. When a user registers to access the application, the user enters an email address. Users can enter data that can result in cross-site scripting (XSS) attacks. You need to ensure that email input is as secure as possible. Which two techniques should you use? (Each correct answer presents a complete solution. Choose two.)

- A. Remove all nonalphanumeric characters before submitting data.
- B. Use the email tag in forms where the email address is entered.
- C. Display all email addresses inside of an HTML5 ADDRESS element.
- D. Use jQuery validation with a regular expression to ensure that email addresses are valid.
- E. Ensure that all form data is encrypted when it is submitted.

Answer: BD

Explanation:

B: The <input type="email"> is used for input fields that should contain an e-mail address. Depending on browser support, the e-mail address can be automatically validated when submitted. Some smartphones recognize the email type, and adds ".com" to the keyboard to match email input. D: JQuery can be used to validate email addresses. Reference: HTML Input Types; Email Validation Using jQuery Codes

NEW QUESTION 241

DRAG DROP

You create an HTML5 webpage. You have the following HTML markup:

```
<table id="fruitTable">
  <tr>
    <th>Fruit</th>
    <th>Inventory</th>
  </tr>
</table>
```

You also have the following JavaScript code segment:

```
var jsonFruit = { "apples" : "12", "bananas" : "8", "watermelon" : "3" }
```

You need to add additional rows to the fruitTable element by processing the jsonFruit values in the order listed.

Which three actions should you perform in sequence? (Develop the solution by selecting the required code segments and arranging them in the correct order.)

Actions

\$getJSON(jsonFruit, function (data) {

\$("#fruitTable"). after(

"<tr><td>" + key + "</td><td>" + val +

"</td></tr>");

var data = \$.parseJSON(jsonFruit);

});

\$.each(jsonFruit, function (key, val) {

\$('#fruitTable). append(\$("#<tr><td>" + key +

"</td><td>" + val + "</td></tr>"));

data. push (key, val);

jsonFruit. push(key, val);

\$("#fruitTable tr:last"). after(data);

Answer Area

>

<

&u2191

&u2193

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

`$.getJSON(jsonFruit, function (data) {`

`$("#fruitTable"). after(`
`"<tr><td>" + key + "</td><td>" + val +`
`"</td></tr>");`

`var data = $.parseJSON(jsonFruit);`

`});`

`$.each(jsonFruit, function (key, val) {`

`$("#fruitTable"). append($("#<tr><td>" + key +`
`"</td><td>" + val + "</td></tr>"));`

`data. push (key, val);`

`jsonFruit. push(key, val);`

`$("#fruitTable tr:last"). after(data);`

Answer Area

`$.each(jsonFruit, function (key, val) {`

`$("#fruitTable"). append($("#<tr><td>" + key +`
`"</td><td>" + val + "</td></tr>"));`

`});`

NEW QUESTION 246

DRAG DROP

You need to write a jQuery function to consume a file named Orders.xml. You write the following code.

```
$. Target 1 ({  
    type: "GET"  
    url: "orders.xml",  
    Target 2: Target 3,  
    success: function (xml) {  
        alert ('XML' processed successfully.)  
    }  
});
```

How should you complete the code? To answer, drag the appropriate code elements to the correct targets in the answer are a. Each code element may be used once, more than once, or not at all. You may need to drag the split panes or scroll to view content.

Answer Area

Code Elements

ajax

callback

contentType

datatype

function

JSON

POST

xml

Target 1:

Target 2:

Target 3:

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

References:

<https://github.com/processing/p5.js/wiki/Loading-external-files:-AJAX,-XML,-JSON>

NEW QUESTION 249

HOTSPOT

You are validating user input by using JavaScript and regular expressions. A group of pre-defined regular expressions validate two input fields: You need to use the correct expression to validate the input.

Which expression should you insert into each function? To answer, select the appropriate options from the drop-down lists in the answer area.

Answer Area

```
function validateID(userinput) {
```

```
var IDPattern =
```

```

/^d{1,2}(\-|V| )d{1,2}\1d{4}$/;
/^0-9]{3}\-?[0-9]{2}\-?[0-9]{4}$/;
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;

```

```
return IDPattern.test ( userinput ) ;
```

```
}
```

```
function validateEmail ( userinput) {
```

```
var emailPattern =
```

```

/^d{1,2}(\-|V| )d{1,2}\1d{4}$/;
/^0-9]{3}\^[0-9]{2}\^[0-9]{4}$/;
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;

```

```
return emailPattern.test (userinput) ;
```

```
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
function validateID(userinput) {
```

```
var IDPattern =
```

```

/^d{1,2}(\-|V| )d{1,2}\1d{4}$/;
/^0-9]{3}\-?[0-9]{2}\-?[0-9]{4}$/;
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;

```

```
return IDPattern.test ( userinput ) ;
```

```
}
```

```
function validateEmail ( userinput) {
```

```
var emailPattern =
```

```

/^d{1,2}(\-|V| )d{1,2}\1d{4}$/;
/^0-9]{3}\^[0-9]{2}\^[0-9]{4}$/;
/^0-9]{0}\^[0-9]{2}\^[0-9]{4}$/;
/^a-zA-Z0-9-]+\@[a-zA-Z0-9-]+\[a-zA-Z]{2,4}$/;
/^0-9{3}+@[a-zA-Z0-9-]+\[0-9]{2,4}$/;

```

```
return emailPattern.test (userinput) ;
```

```
}
```

NEW QUESTION 250

HOTSPOT

You have the following code:

```
var var1 = parseInt( '12', 10);  
var var2 = parseInt( 'aaa', 10);  
var var3 = parseInt( '12px', 10);  
var var4 = parseInt( 'foo2', 10);  
var var5 = parseInt( '12a5', 10);
```

You need to identify the correct value of each variable.

What should you identify? To answer, drag the appropriate values to the correct variables in the answer area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References: http://www.w3schools.com/jsref/jsref_parseint.asp

NEW QUESTION 252

You need to parse an XML formatted string. Which object should you use?

- A. Map
- B. DataView
- C. DOMParser
- D. JSON

Answer: C

NEW QUESTION 254

DRAG DROP

You are developing a corporate website for a company. The website uses a style sheet to enforce corporate image standards. Users report that the website is not properly rendering the styles.

You create a web page to test the styles by using the following code.

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title></title>  
    <style>  
      body {  
        background-color: gray;  
      }  
  
      .a {  
        background-color: white;  
      }  
  
      .b {  
        background-color: black;  
        color: white;  
      }  
    </style>  
  </head>  
  <body>  
    <div class = "a">Sample Text  
      <div class = "b">Sample Text</div>  
    <p>Sample Text</p>  
  </div>  
  <div class= "a b">Sample Text</div>  
</body>  
</html>
```

You need to verify how the style will be displayed.

In which order will the results be displayed? (To answer, drag the appropriate style from the list of styles to the correct location or locations in the work area.)

Styles

Sample Text

Sample Text

Sample Text

Answer Area

Style

Style

Style

Style

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Styles

Sample Text

Sample Text

Sample Text

Answer Area

Sample Text

Sample Text

Sample Text

Sample Text

NEW QUESTION 255

DRAG DROP

You have a stylesheet for an existing website.
The website contains the following HTML markup.

```
<div id= "header">  
  <ul class= "menuItems">  
    <li>HOME</li>  
    <li>PRODUCTS</li>  
    <li>ABOUT US</li>  
  </ul>  
</div>
```

You need to ensure that the elements are aligned horizontally. You write the following CSS markup in the stylesheet.

```
.menuItem li
{
  Target 1: Target 2;
}
```

How should you complete the markup? To answer, drag the appropriate code elements to the correct targets in the answer area. Each code element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Answer Area

background- position

block

display

grid

inline

list-style

table

Target 1:

Target 2:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References:
<http://learn.shayhowe.com/html-css/creating-lists/>

NEW QUESTION 259

DRAG DROP

You are creating an application by using HTML5 and CSS3. The styles for the pages are derived from five style sheets. You need to order the style sheets by greatest CSS rule weight to lowest CSS rule weight. In which order will the five style sheets be applied by the browser? To answer, move the style sheet types from the list of style sheet types to the answer area and arrange them in the order in which the browser will apply them. The first style sheet that the browser will apply must appear at the top of the list in the answer area.

Actions

user agent style sheets

user important style sheets

author normal style sheets

author important style sheets

user normal style sheets

>

<

Answer Area

<

>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

References:
<https://www.w3.org/TR/css-cascade-3/#importance>

NEW QUESTION 263

You have the following HTML markup.

```
<input name= "object1x">  
  <input name= "object1y">  
  <input name= "object2x">
```

For all of the fields that have names ending with the letter x, you need to set the value to value1. Which code line should you use?

- A. `$("input [name$= 'x']").html ("value1");`
- B. `$("#input [name$= 'x']").val ("value1");`
- C. `$("input [name$= 'x']").val ("value1");`
- D. `$("#input [name$= 'x']").html ("value1");`

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: C

NEW QUESTION 267

You are developing an application in HTML5. You have the following code.


```
function NewOrder (orderId, orderDate) {  
  this.orderId = orderId;  
  this.orderDate = orderDate;  
}
```

You need to add an additional property to the function definition. Which line of code should you use?

- A. NewOrder ["newProperty"] = "newProperty"
- B. NewOrde
- C. prototyp
- D. newProperty = "newProperty"
- E. this.NewOrde
- F. newProperty = "newProperty"
- G. NewOrde
- H. newProperty = "newProperty"

Answer: C

Explanation:
References: http://www.w3schools.com/js/js_object_prototypes.asp

NEW QUESTION 272

DRAG DROP

You are developing a web application.
You need to create an input field to provide users with the ability to select a product from a drop- down list. The solution must meet the following requirements:
You write the following HTML markup.

```
<body>  
  Product: <input name= 'product' list= 'product_list'>  
  <Target 1 id= 'Target 2'>  
    <Target 3 value = 'Car'>  
    <Target 4 value = 'Boat'>  
  </Target 5>  
</body>
```

How should you complete the markup? To answer, drag the appropriate code elements to the correct targets. Each code element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Answer Area

Code Elements

datalist

option

product

product_list

select

Target 1:

Target 2:

Target 3:

Target 4:

Target 5:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code Elements

datalist

option

product

product_list

select

Answer Area

Target 1:

select

Target 2:

product_list

Target 3:

option

Target 4:

option

Target 5:

select

NEW QUESTION 275

DRAG DROP

You develop the following code:

```
var isBig = function (nb) {  
    if (nb>10)  
        return true;  
    else  
        return false;  
}  
  
displayAlertIfBigNumber = function (aNumber)  
{  
    switch (Target 1){  
        case Target 2:  
            alert ("aNumber is big")  
            Target 3;  
            Target 4;  
            alert ("aNumber is not big");  
            break  
    }  
}
```

You need to complete the code to meet the following requirements:
How should you compete the code? To answer, drag the appropriate code elements to the correct targets in the answer are

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code elements	Answer Area
aNumber	Target 1: isBig(aNumber)
break	Target 2: true
default	Target 3: break
isBig(aNumber)	Target 4: default
true	

NEW QUESTION 276

You need to write a self-executing anonymous function in JavaScript. Which code snippet should you include in the function?

- A. (function () {...});
- B. (function anon() {...}) ();
- C. (function anon() {...});
- D. (function () {...}) ();

Answer: D

Explanation:

References:

<http://esbueno.noahstokes.com/post/77292606977/self-executing-anonymous-functions-or-how-to- write>

NEW QUESTION 277

You have the following code:

```
var objStr = "[1, 2, 3, 4]";
```

You need to convert objStr into an array. Which line of code should you use?

- A. var jsObject = Array.bind(objStr);
- B. var jsObject = Array.valueOf(objStr);
- C. var jsObject = JSON.parse(objStr);
- D. var jsObject = \$.makeArray(objStr);

Answer: C

Explanation:

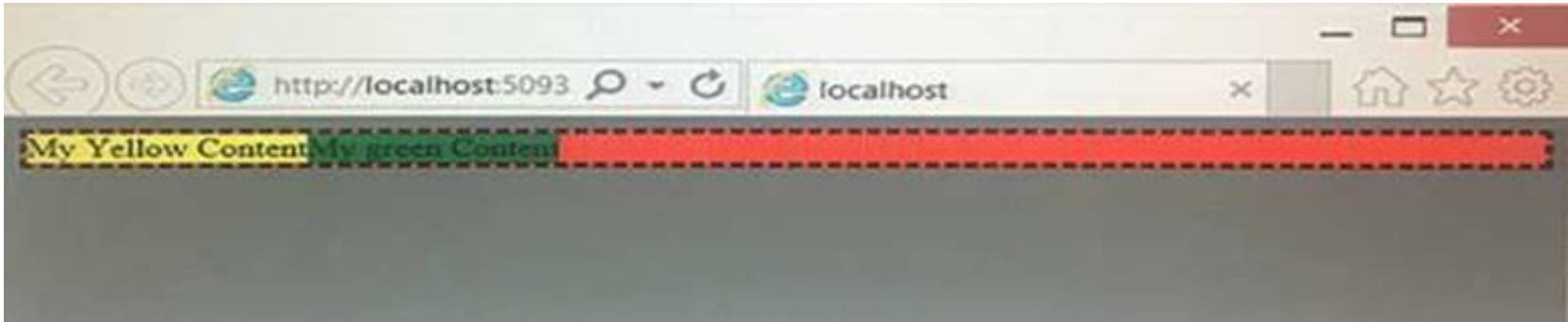
https://www.w3schools.com/js/js_json_parse.asp

NEW QUESTION 278

You have the following code:

```
<body>
<div id="red" style="background-color:red;border:dashed;">
  <div id="yellow" style="background-color:yellow;">My Yellow Content</div>
  <div id="green" style="background-color:green;">My green Content</div>
</div>
</body>
```

You need to ensure that the content appears as shown in the following exhibit:



Which display attribute should you use for the red div?

- A. grid
- B. inline
- C. block
- D. flex

Answer: B

Explanation:

https://www.w3schools.com/cssref/pr_class_display.asp

NEW QUESTION 281

HOTSPOT

You have the following code. (Line numbers are included for reference only.)

```
01 <style>
02 .transition_style
03 {
04     font-size:15px;
05     font-weight:normal;
06     width:50px;
07     height:40px;
08     background:orange;
09     color:#ffffff;
10     padding:10px;
11     margin-left:auto;
12     border-radius:5px;
13     transition-property:width,height,transform,background,font-size,opacity;
14     transition-duration:1s,1s,1s,1s,1s,1s;
15 }
16 .transition_style:hover
17 {
18     font-size:30px;
19     font-weight:bolder;
20     width:100px;
21     height:80px;
22     margin-left:0px;
23     transform:rotateX(360deg);
24     background:red;
25 }
26 </style>
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer Area

Statement	Yes	No
Margin-left will move gradually from right to left.	<input type="radio"/>	<input type="radio"/>
The background color will transition gradually from orange to red.	<input type="radio"/>	<input type="radio"/>
The animation effect will be the same if you replace lines 13 and 14 with the following code: transition: all 1s linear;	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- No
- Yes

No
https://www.w3schools.com/cssref/pr_margin-left.asp <https://css-tricks.com/almanac/properties/t/transition/>
https://www.w3schools.com/cssref/css3_pr_transition.asp

NEW QUESTION 283

You are developing a web application in HTML. You have the following HTML code.

```
<div id="footer"></div>
```

You need to ensure that the div footer contains the text “All rights reserved”. Which line of code should you use?

- A. document("footer") = "All rights reserved";
- B. document("footer").innerHTML = "All rights reserved";
- C. \$(".footer").value = "All rights reserved";
- D. \$("#footer").html("All rights reserved");

Answer: B

Explanation:

https://www.codecademy.com/en/forum_questions/557ea03cd3292f72d10006bf

NEW QUESTION 286

DRAG DROP

You need to write a callback function in JavaScript. You write the following code:

```
function newOrder(orderId, orderShip, Target 1) {  
    document.write("New order being processed");  
    Target 2  
}  
newOrder("333", "EXPRESS", Target 3 {  
    ...  
;})
```

How should you complete the code? To answer, drag the appropriate code elements to the correct targets in the answer area. Each code element can be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Code Elements

callback

callback()

function()

newOrder

typeof

var

Answer Area

Target 1:

Target 2:

Target 3:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Target 1: callback
Target 2: callback()
Target 3: function()
References: <https://www.impressivewebs.com/callback-functions-javascript/>

NEW QUESTION 287

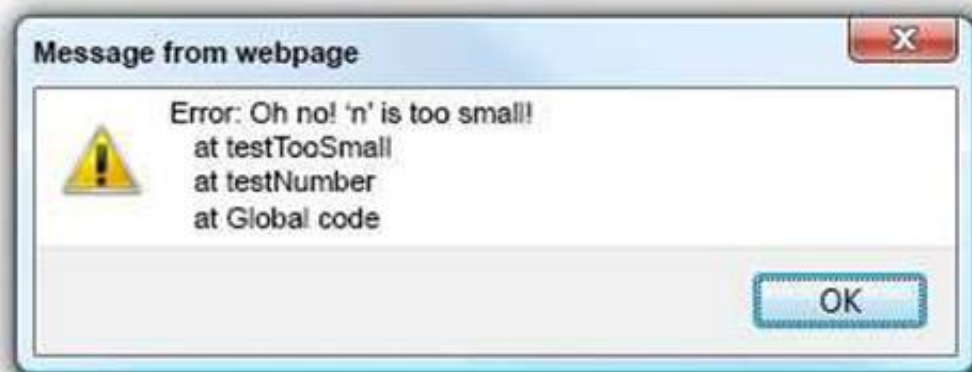
You have the following code. (Line numbers are included for reference only.)

```

01  funtion testNumber() {
02  testTooSmall(1);
03  }
04  function testTooSmall(n) {
05  if (n < 2)
06  throw "Oh no! 'n' is too small!"
07  return true;
08  }
09  try {
10  testNumber();
11  }
12  catch (e) {
13  alert(e.stack);
14  }

```

You execute the code and you receive an alert that displays the following message: "Undefined". You need to ensure that the alert displays as shown:



What should you do?

- A. Replace line 13 with the following code: `alert(e.message);`
- B. Replace line 06 with the following code: `throw new eval("Oh no! 'n' is too small!")`
- C. Replace line 13 with the following code: `alert(e);`
- D. Replace line 06 with the following code: `throw new Error("Oh no! 'n' is too small!")`

Answer: D

Explanation:

<http://www.javascriptkit.com/javatutors/trycatch2.shtml>

NEW QUESTION 289

You are developing an application in HTML5. The application contains the following HTML markup.

```

<div>
  <h1>Resources</h1>
  <a href="http://contoso.com/people.aspx">People</a>
  <a href="http://contoso.com/orgProducts.aspx">Products</a>
  <a href="http://wiki.contoso.org">Resources</a>
  ...
</div>

```

You need to ensure that all of the links referencing domain names ending in .org are displayed in red text. What should you use?

- A. a JSON parse function
- B. a CSS attribute selector
- C. a CSS pseudo-element
- D. a JSON stringify function.

Answer: B

NEW QUESTION 290

You have the following markup.

```

<div style="display:flex;height:300px;background-color:red">
  <div style="height:100px;background-color:yellow">
    Yellow div text
  </div>
</div>

```

You need to ensure that the yellow div is centered in the red div. What should you do?

- A. Add the following code to the red di
- B. align-content:center
- C. Add the following code to the red div.Margin:auto
- D. Add the following code to the Yellow di
- E. align-content:center
- F. Add the following code to the Yellow div Margin:auto

Answer: C

NEW QUESTION 295

A web application has a web page that contains an HTML5 CANVAS element. A web extracts messages from the CANVAS element. You need to ensure that the web worker can read the message sent by the web page.

Which three object types can you use?

- A. JavaScript
- B. DOM
- C. parent
- D. Window
- E. string
- F. JSON

Answer: AEF

Explanation:

References: <https://www.html5rocks.com/en/tutorials/workers/basics/>

NEW QUESTION 299

You develop an application in HTML5. The application has a field named field1 that uses the month input type.

You need to identify what will occur if the application runs from a browser that does not support the month input type.

What should you identify?

- A. The field1 field will be rendered as a text box.
- B. The field1 field will appear as alabel named month.
- C. The web page will display an error message.
- D. The field1 field will not be displayed.

Answer: A

Explanation:

References: <https://stackoverflow.com/questions/18020950/how-to-make-input-type-date-supported-on-all-browsers-any-alternatives>

NEW QUESTION 301

You display a long text content in a div.

You need to prevent the vertical scrollbar of the browser from being displayed. Which CSS element should you use?

- A. @page
- B. @keyframes
- C. overflow-x
- D. overflow-y

Answer: D

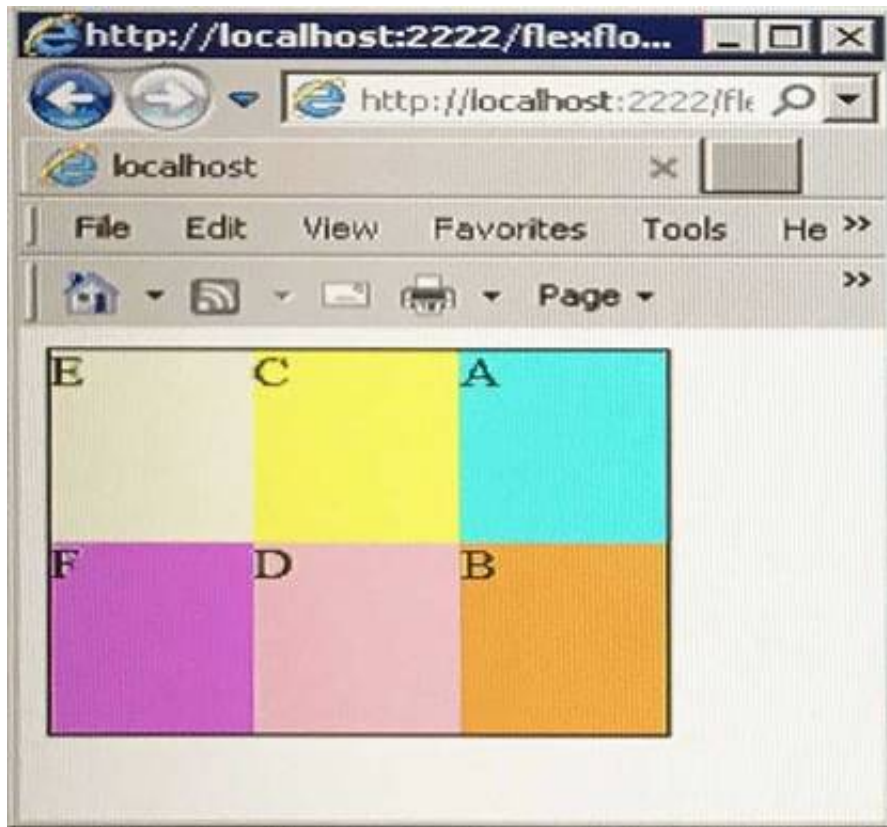
Explanation:

References: https://www.w3schools.com/cssref/css3_pr_overflow-y.asp

NEW QUESTION 304

HOTSPOT

You need to create a page that displays the content as shown in the exhibit. (Click the Exhibit button.)



You write the following markup.

```
<style>
#main {
  width:180px;
  height:150px;
  border:1px solid black;
  display:flex;
  Target 1:Target 2 column;
}
#main div {
  flex-basis: 75px;
}
</style>

<div id="main">
  <div style="background-color:aqua;">A</div>
  <div style="background-color:orange;">B</div>
  <div style="background-color:yellow;">C</div>
  <div style="background-color:pink;">D</div>
  <div style="background-color:beige;">E</div>
  <div style="background-color:violet;">F</div>
</div>
```

How should you complete the markup? To answer, select the appropriate code element for each target in the answer area.

Target 1:

	▼
flex-direction	
flex-flow	
flex-order	

Target 2:

	▼
column-reverse	
row	
wrap	
wrap-reverse	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Target 1:

	▼
flex-direction	
flex-flow	
flex-order	

Target 2:

	▼
column-reverse	
row	
wrap	
wrap-reverse	

NEW QUESTION 307

HOTSPOT

You are developing an application in HTML5. You have the following HTML markup.

```
<div id="div1">
  <div id="div2">
    <div id="div3" onclick="Validate1()">
      <label id="userNameLabel" for="userName">User Name:</label>
      <input type="text" id="userName" onclick="Validate2()" />
    </div>
  </div>
</div>
```

You have the following JavaScript code.

```
$("#userName").click(function (event) {
  event.stopPropagation();
});
```

Use the drop-down lists to select the answer choice that completes each statement.

[answer choice] will be called when the user clicks the userName text box.

	▼
event.stopPropagation	
Validate1	
Validate2	

[answer choice] will be called when the user clicks the userNameLabel label.

	▼
event.stopPropagation	
Validate1	
Validate2	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

[answer choice] will be called when the user clicks the userName text box.

	▼
event.stopPropagation	
Validate1	
Validate2	

[answer choice] will be called when the user clicks the userNameLabel label.

	▼
event.stopPropagation	
Validate1	
Validate2	

NEW QUESTION 311

DRAG DROP

You are developing a web application that consumes data from a server named sample-host. The application must:

You need to develop the application to meet the requirements.

Which code segment or segments should you use? (To answer, drag the appropriate code segment or segments to the correct location or locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.)

Code Segments

```
var host = "websocket://sample-host/echo";
```

```
var host = "ws://sample-host/echo";
```

```
var host = "http://sample-host/echo.svc";
```

Segments

```
socket.onopen
```

```
socket.open
```

```
open.socket
```

Answer Area

Code Segment

```
socket = new WebSocket(host);
```

Segment

```
= function (openEvent) {
```

```
document.getElementById("serverStatus").innerHTML =  
'WebSocket Status:: Socket Open';
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Code Segment: var host ="ws://sample-host/echo"; Segment:socket.onopen

References: <https://docs.microsoft.com/en-us/microsoft-edge/dev-guide/networking-and- connectivity/websocket>

NEW QUESTION 312

You would like to create web applications and Windows 8 Windows Store applications by using HTML5, JavaScript, and CSS3, but while you're learning, you don't want to buy Visual Studio 2012. Which of the following Visual Studio 2012 editions can you use for free to accomplish your goal?

- A. Visual Studio Professional 2012
- B. Visual Studio Premium 2012
- C. Visual Studio Ultimate 2012
- D. Visual Studio Express 2012 for Web and Visual Studio Express 2012 for Windows 8

Answer: D

Explanation:

References:

http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 313

What are the steps for TDD?

- A. Write the passing test, write the code, run the test again to validate that it still passes.
- B. Write the failing test, write the code, run the test again to validate that it passes.
- C. Write the code, write the test to validate that it passes, run the test again to validate that it stillpasses.
- D. Write the passing test, write the code, break the code, run the test again to validate that it fails.

Answer: B

Explanation:

References: http://www.daoudisamir.com/references/vs_ebooks/html5_css3.pdf

NEW QUESTION 316

NOTE: This question is a part of series of questions that presents the same scenario. Each question in the series contains unique solution that might meet the started goals. Some questions sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section. you will not be able to return to it. As a result, these questions will not appear in the review screen.

You have the following HTML5 and CSS3 markup within a webpage.

```
<nav id="mainmenu" class="page-nav">

  <div id="navlist" class="container">

    <a href="index.html">Home</a>

    <a href="register.html">Register</a>

  </div>

</nav>
```

You need to set the background color of the Home link to yellow. The solution can affect the color of the other elements.
 Solution: You use the following style:

```
<style>

  .navlist{

    background-color: yellow;

  }

</style>
```

Does this meet the goal?

- A. Yes
- B. No

Answer: B

NEW QUESTION 320

You have a web API that responds to a GET request and returns an image as an array of bytes.
 You need to create a page that contains a button to requests the image. The response must be displayed as an image on the page.
 Which two code segments can you use to achieve the goal? Each correct answer presents a complete solution.
 NOTE: Each correct selection is worth one point.

A

```
<!DOCTYPE html>
<html>
<body>
  <button type="button" onclick="getImage()">Get Image</button>
  <br/>
  <img id="image"/>
  <script>
    function getImage() {
      var xhttp = new XMLHttpRequest();
      xhttp.open("GET", "/api/pic", true);
      xhttp.responseType = "blob";
      xhttp.onload = function (e) {
        var blod = event.response;
        var urlCreator = window.URL || window.webkitURL;
        var image Url = urlCreator.createObjectURL(blob);
        document.querySelector("#image").src = imageUrl;
      }
      xhttp.send();
    }
  </script>
</body>
</html>
```

B

```
<!DOCTYPE html>
<html>
<head>
  <script src="http://ajax.aspnetcdn.com/ajax/jQuery/jquery-3.2.1.js"></script>
</head>
<body>
  <button type="button" onclick="getImage()">Get Image</button>
  <br/>
  <img id="image" />
  <script>
    function getImage() {
      $.get({
        url: "/api/pic",
        dataType: "plainObject",
        success: function (result) {
          var urlCreator = window.URL || window.webkitURL;
          var image Url = urlCreator.createObjectURL(result);
          document.querySelector("#image").src = imageUrl;
        }
      });
    }
  </script>
</body>
</html>
```

C

```
<!DOCTYPE html>
<html>
<head>
  <button type="button" onclick="getImage()">Get Image</button>
  <br/>
  <img id="image"/>
  <script>
    function getImage() {
      var xhttp = new XMLHttpRequest();
      xhttp.open("GET", "/api/pic", true);
      xhttp.responseType = "arraybuffer";
      xhttp.onload = function (e) {
        var blob = new Blob([xhttp.response], {type: "application/octet-stream" });
        var urlCreator = window.URL || window.webkitURL;
        var image Url = urlCreator.createObjectURL(blob);
        document.querySelector("#image").src = imageUrl;
      }
      xhttp.send();
    }
  </script>
</body>
</html>
```


D

```
<!DOCTYPE html>
<html>
<body>
  <button type="button" onclick="getImage()">Get Image</button>
  <br/>
  <img id="image"/>
  <script>
    function getImage() {
      var xhttp = new XMLHttpRequest();
      xhttp.open("GET", "/api/pic", true);
      xhttp.responseType = "text";
      xhttp.onload = function (event) {
        var blod = event.response;
        var urlCreator = window.URL || window.webkitURL;
        var image Url = urlCreator.createObjectURL(blob);
        document.querySelector("#image").src = imageUrl;
      }
      xhttp.onloadstart(loadend);
    }
  </script>
</body>
</html>
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: BC

NEW QUESTION 321

You have the following markup.

```
<style>
  .flex1 {
    background-color: yellow;
    border:dotted;
  }

  flex2 {
    background-color: red;
    border:dotted;
  }
</style>
<div style="display:flex;background-color:grey;">
  <div class="flex1">
    Flex1
  </div>
  <div class="flex2">
    Flex2
  </div>
</div>
```

You need to ensure that flex1 is displayed on the right of the page. flex2 must be displayed directly to the left of flex1. Which style should you add to the outer div?

- A. flex-direction:column-reverse
- B. flex-direction:row-reverse
- C. flex-direction: row
- D. flex-direction: column

Answer: B

NEW QUESTION 325
.....

Relate Links

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