98-388 Dumps

Introduction to Programming Using Java

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NEW QUESTION 1
HOTSPOT
You work as an intern Java programmer at Adventure Works. Your team lead asks you to create a method. The method must meet the following requirements:

- Accept an `int` array
- Check for duplicate values in the array
- Stop the outer loop as soon as a duplicate value has been detected and return `true`
- Return `false` if all values in the array are unique

How should you complete the code? To answer, select the appropriate code segments in the answer are

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
public static boolean duplicate(int[] array) {

    boolean isDuplicate = false;

    for (                        ) {
        for ( x = 1;          1; y < array.length;          )

                        = array[y])

            isDuplicate = true;

        if (isDuplicate)

            break;

    }
    return isDuplicate;

}
```

Dropdown options shown:
- x < array.length - 2;
- **x < array.length - 1;**
- x <= array.length;
- x <= array.length - 1;

- x = 0;
- **x = 1;**
- int x = 1;
- int x = 0;

- x = x + 1
- **y++**
- y = y - 1
- x--

- **break;**
- switch;
- finally;
- continue;

NEW QUESTION 2
DRAG DROP
Northwind Traders hires you to write a Java program to manage account openings. To open a new account, a user must meet one the following requirements:

- be over 65 years old and have a minimum annual income of 10,000
- be at least 21 and have an annual income greater than 25,000

How should you complete the code? To answer, drag the appropriate operator to the correct position. Each operator 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.

Operators

| > | && | >= | || | == | != | <= | • | < |

Answer Area

```
if (age     65     income     10000
    age     21     income     25000) {

    System.out.println("Approved");
}
else {

    System.out.println("Declined");
}
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Operators

| > | && | >= | || | == | != | <= | >= | < |

Answer Area

```
if (age  >=  65  &&  income  ==  10000  <=
     age  <  21  ==  income  !=  25000) {
     System.out.println("Approved");
}
else {
     System.out.println("Declined");
}
```

NEW QUESTION 3

HOTSPOT

You work for Woodgrove Bank as a Java programmer.

You need to evaluate the following class. Line numbers are included for reference only.

```
01 public class Account {
02    protected int balance;
03    public Account() {
04       balance = 0;
05    }
06    public Account(int amount) {
07       balance = amount;
08    }
09 }
```

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

Answer Area

	Yes	No
The Account class has a single constructor.	○	○
Other classes can inherit the Account class.	○	○
Line 07 is equivalent to this.balance = amount;	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

	Yes	No
The Account class has a single constructor.	☑	○
Other classes can inherit the Account class.	☑	○
Line 07 is equivalent to this.balance = amount;	○	☑

NEW QUESTION 4

HOTSPOT

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

```
01 public class Customer
02 {
03    private int id = 3;
04    public static void main(String[] args)
05    {
06       Customer customer = new Customer();
07       id = 5;
08       showId();
09    }
10
11    protected void showId()
12    {
13       System.out.println(id);
14    }
15 }
```

The code does not compile.

For each of the following statements, select Yes if the action is required to resolve the compilation error. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

	Yes	No
Change the access modifier of the variable id to public.	○	○
Change the access modifier of the showId method to public.	○	○
On lines 07 and 08, add the prefix customer. to id and showId().	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

	Yes	No
Change the access modifier of the variable id to public.	○	☐
Change the access modifier of the showId method to public.	☐	○
On lines 07 and 08, add the prefix customer. to id and showId().	☐	○

NEW QUESTION 5
This question requires that you evaluate the underlined text to determine if it is correct. You have the following class definition:

```
class Logger
{
    public void logError(String message)
    {

    }
}
```

A. No change is needed.
B. only by the Logger class.
C. only by the Logger class and classes in the same package that inherit from it.
D. by all classes in all packages.

Answer: C

NEW QUESTION 6
HOTSPOT
You are writing a Java class named savings Account. The class must meet the following requirements:
- Inherit from an existing class named Account
- Include a constructor that uses the base class constructor to initialize the starting balance
- Include a substitute toString() method

How should you complete the code? To answer select the appropriate code segments in the answer area.

```
public class SavingsAccount [____▼] Account {
    double rate = 0.02;
                        extends
                        inherits
                        implements

    SavingsAccount(double startingBalance) {
        [____▼] (startingBalance);
        Account
    }   base
        constructor
        super

    [____▼]
    @Implements
    @Inject
    @Overload
    @Override
    public String toString() {
        return String.format("Savings Current Balance: $%.2f", this.getBalance());
    }
}
```

A. Mastered
B. Not Mastered
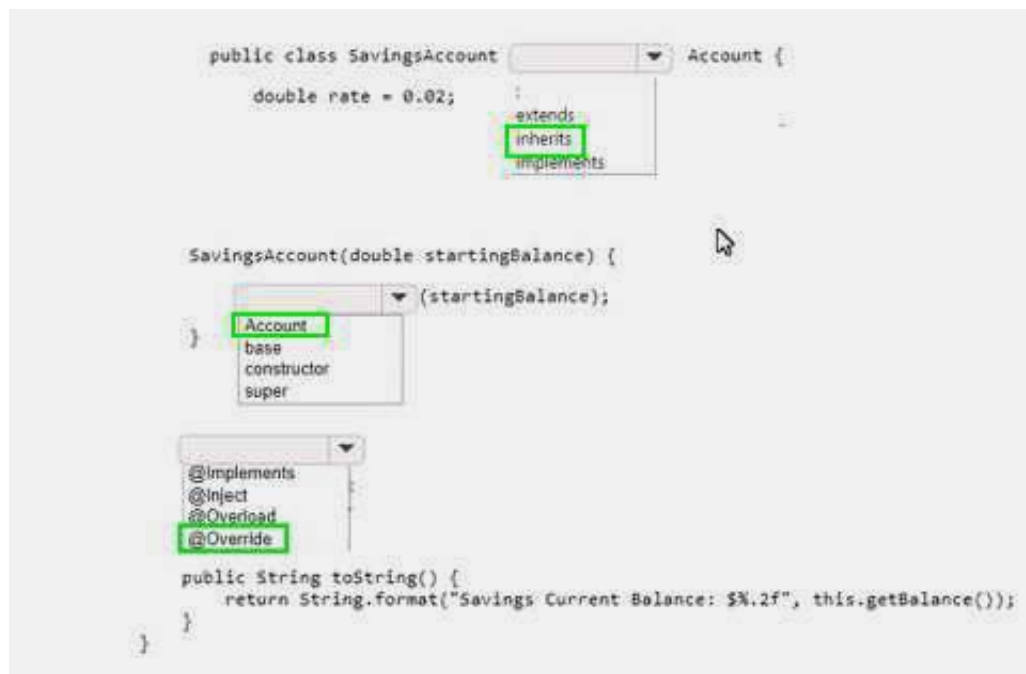
Answer: A

Explanation:

```
public class SavingsAccount  [  ▼  ]  Account {
    double rate = 0.02;
                          extends
                          inherits
                          implements

    SavingsAccount(double startingBalance) {
                  [  ▼  ] (startingBalance);
        Account
    }   base
        constructor
        super

    [  ▼  ]
    @Implements
    @Inject
    @Overload
    @Override
    public String toString() {
        return String.format("Savings Current Balance: $%.2f", this.getBalance());
    }
}
```
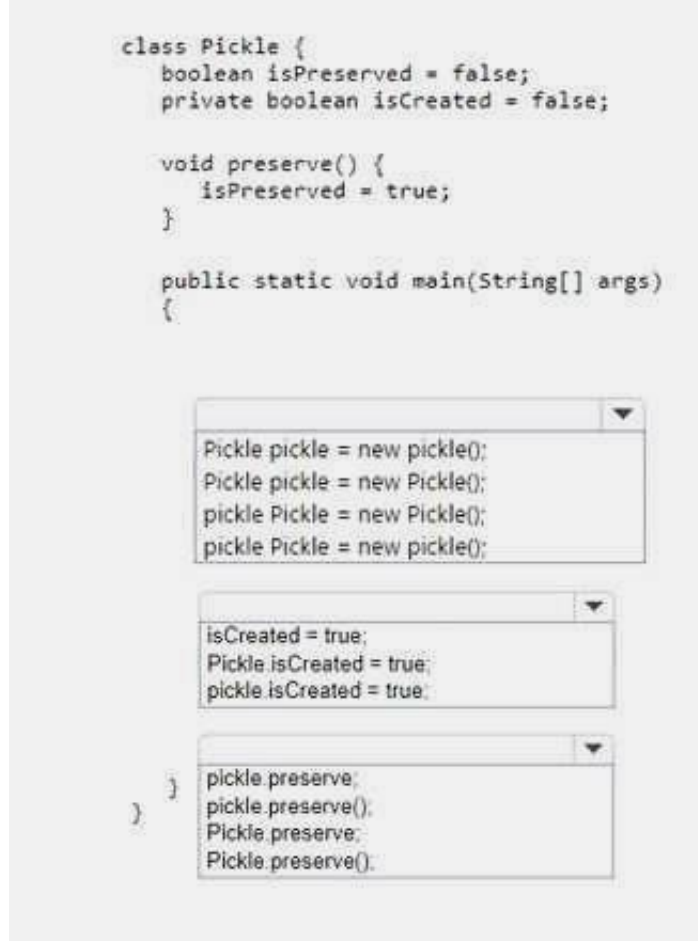
NEW QUESTION 7

HOTSPOT

You write the following Java program for Munson's Pickles and Preserves Farm. Line numbers are included for reference only.

```
01 class Pickle {
02    boolean isPreserved = false;
03    private boolean isCreated = false;
04
05    void preserve() {
06       isPreserved = true;
07    }
08
09    public static void main(String[] args)
10    {
11       Pickle pickle = new pickle();
12       isCreated = true;
13       pickle.preserve;
14    }
15 }
```
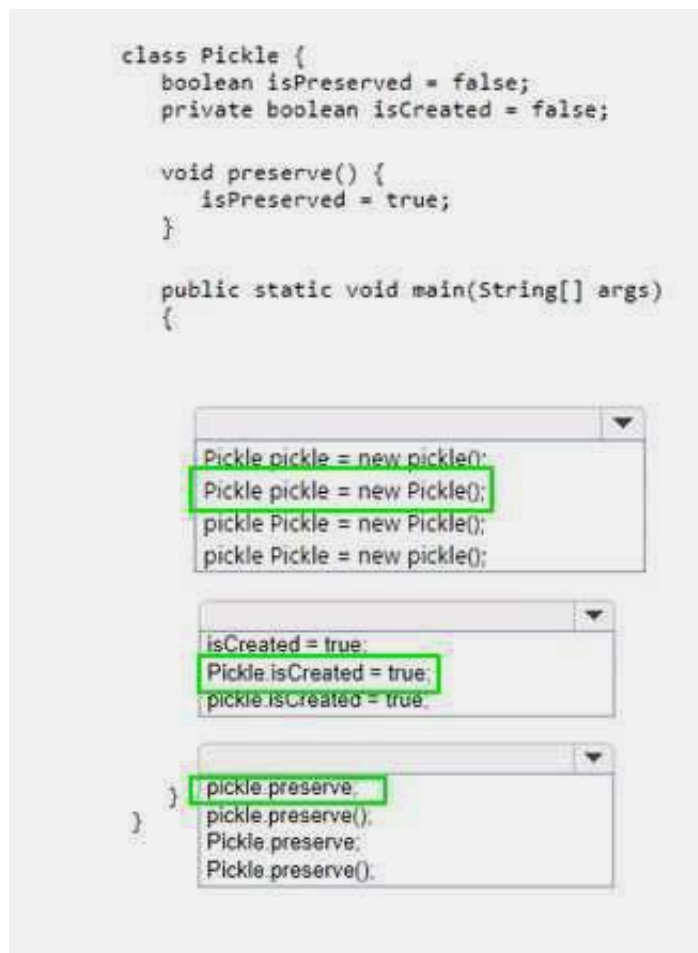
You encounter error messages when you attempt to compile the program. You need to ensure the program compiles successfully.
How should you complete the code? To answer, select the appropriate code segments in the answer area.

```
class Pickle {
    boolean isPreserved = false;
    private boolean isCreated = false;

    void preserve() {
        isPreserved = true;
    }

    public static void main(String[] args)
    {

        [  ▼  ]
        Pickle pickle = new pickle();
        Pickle pickle = new Pickle();
        pickle Pickle = new Pickle();
        pickle Pickle = new pickle();

        [  ▼  ]
        isCreated = true;
        Pickle.isCreated = true;
        pickle.isCreated = true;

     }  [  ▼  ]
     }  pickle.preserve;
        pickle.preserve();
        Pickle.preserve;
        Pickle.preserve();
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
class Pickle {
    boolean isPreserved = false;
    private boolean isCreated = false;

    void preserve() {
        isPreserved = true;
    }

    public static void main(String[] args)
    {
```

```
                                    ▼
        Pickle pickle = new pickle();
        Pickle pickle = new Pickle();
        pickle Pickle = new Pickle();
        pickle Pickle = new pickle();

                                    ▼
        isCreated = true;
        Pickle.isCreated = true;
        pickle.isCreated = true;

                                    ▼
    }   pickle.preserve;
        pickle.preserve();
}       Pickle.preserve;
        Pickle.preserve();
```

NEW QUESTION 8
HOTSPOT
You work as a Java programmer. A member of the team creates the following program. Line numbers are included for reference only.

```
01 public static void main(String[] args) {
02     int timer = 60;
03
04     while (timer => 0)
05     {
06         if (timer = 0)
07             break;
08         else
09         {
10             System.out.println("The timer is counting down...");
11             timer++;
12         }
13     }
14 }
```

The program is supposed to display a message to the console while it counts down from 60. The method does not work as intended. How should you correct the code? To answer, select the appropriate code segments in the answer area. NOTE: Each correct selection is worth one point.
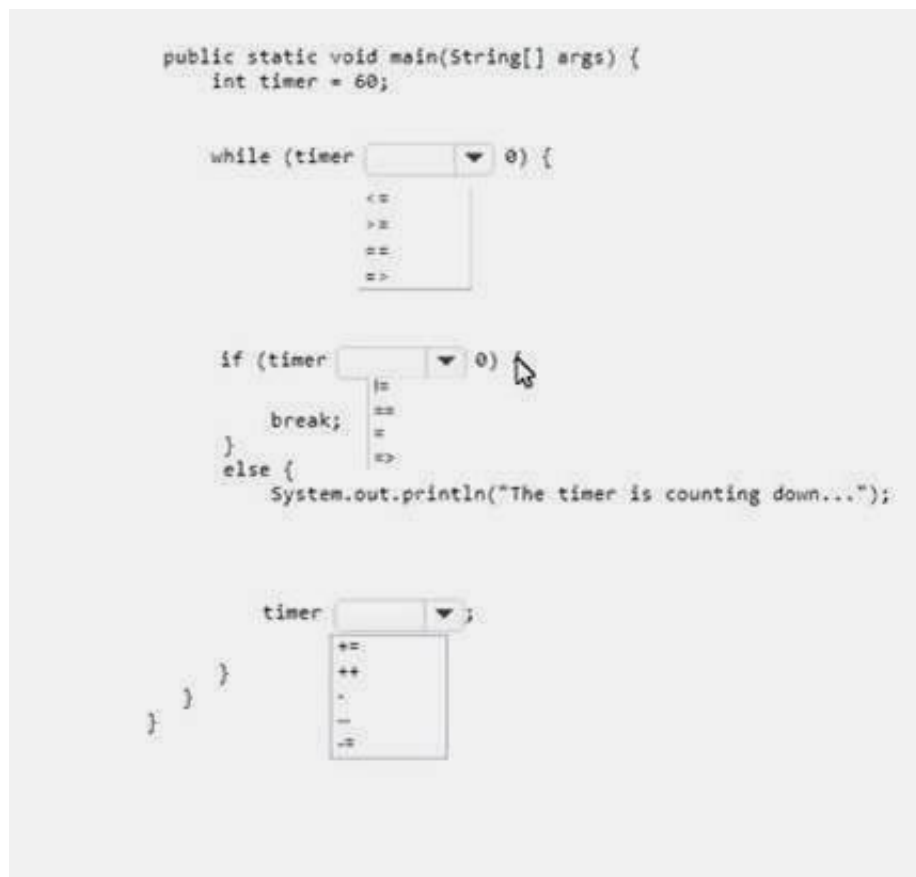
Answer Area

```
public static void main(String[] args) {
    int timer = 60;

    while (timer [ ▼ ] 0) {

        if (timer [ ▼ ] 0)

            break;
        }
        else {
            System.out.println("The timer is counting down...");

            timer [ ▼ ] ;

        }
    }
}
```
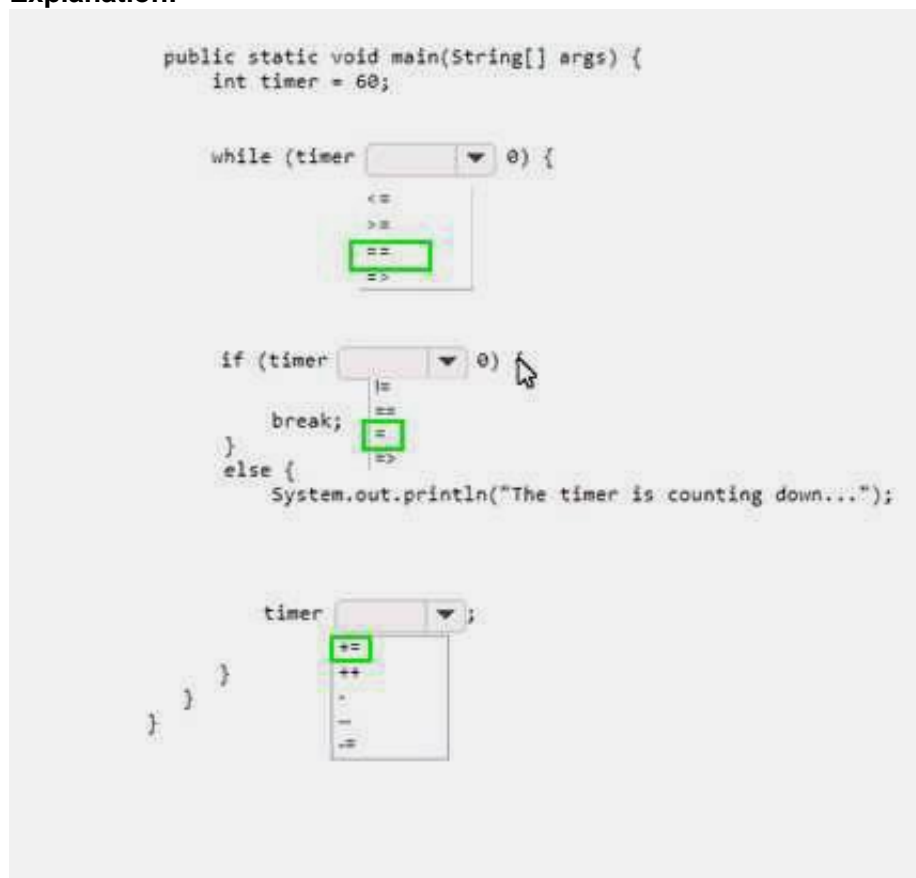
```
public static void main(String[] args) {
    int timer = 60;

    while (timer [  ▼] 0) {
                  <=
                  >=
                  ==
                  =>

        if (timer [  ▼] 0)
                     !=
                     ==
            break;    =
        }             =>
        else {
            System.out.println("The timer is counting down...");


        timer [  ▼] ;
              +=
              ++
              .
              --
              -=
        }
    }
}
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
public static void main(String[] args) {
    int timer = 60;

    while (timer [  ▼] 0) {
                  <=
                  >=
                 [==]
                  =>

        if (timer [  ▼] 0)
                     !=
                     ==
            break;   [=]
        }             =>
        else {
            System.out.println("The timer is counting down...");


        timer [  ▼] ;
             [+=]
              ++
              .
              --
              -=
        }
    }
}
```

NEW QUESTION 9
HOTSPOT
You need to evaluate the following code segment. Line numbers are included for reference only.

```
01 int a = 5;
02 int b = 10;
03 int c = ++a * b--;
04 System.out.println(c);
05 int d = a-- + ++b;
06 System.out.println(d);
```

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the code. NOTE: Each correct selection is worth one point.

What is the output of line 04?

```
15
45
50
54
60
```

What is the output of line 06?

```
13
14
15
16
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

What is the output of line 04?

```
15
45
50
54
60
```

What is the output of line 06?

```
13
14
15
16
```

NEW QUESTION 10
HOTSPOT
You are writing a Java method.
The method accepts a two-dimensional string array and prints the content of each array element. The size of each dimension of the array might be different.
How should you complete the code? To answer, select the appropriate code segments in the answer area.
NOTE: Each correct selection is worth one point.

```
public void traverse(            ▼  board)
{
                        String
                        String[]
                        String[][]

    for (int x = 0; x <            ▼  ; x++)
                        board.length
                        board[].length
                        board[][].length

        for (int y = 0; y <            ▼  ; y++)
                        board.length
                        board[x].length
                        board[y].length

            System.out.println(            ▼  );
                        board[x]
                        board[y]
                        board[x][y]
}
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
public void traverse(        ▼  board)
{
              String
              String[]
              String[][]

    for (int x = 0; x <          ▼  ; x++)
              board.length
              board[].length
              board[][].length

    for (int y = 0; y <          ▼  ; y++)
              board.length
              board[x].length
              board[y].length

    System.out.println(          ▼  );
              board[x]
              board[y]
              board[x][y]
}
```

NEW QUESTION 10
DRAG DROP
You attend an interview for a job as a Java programmer.
You need to declare a two by three array of the double type with initial values.
How should you complete the code? To answer, drag the appropriate code segment to the correct location. 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                Answer Area

[[   ]];  ][   {{   }};
                             double[][] maxArray =  [___] 0.77,3.4,55 [___] 2.2,.045,2 [___]
][   },{  ],[
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
Code Segments                Answer Area

[[   ]];  ][   {{   }};
                             double[][] maxArray =  [[ ] 0.77,3.4,55 ]]; 2.2,.045,2 ][
][   },{  ],[
```

NEW QUESTION 14
You need to evaluate the following code segment:

```
double dNum = 2.667;
int iNum = 0;
iNum = (int)dNum;
```

What happens when the code segment is run?

A. iNum has a value of 0.
B. An exception is thrown.
C. iNum has a value of 2.
D. iNum has a value of 3.

Answer: B

NEW QUESTION 16
DRAG DROP
You are writing a Java method.
The method must meet the following requirements:

- Accept a `String` parameter `firstName`
- Display a welcome message that contains `firstName`
- Ensure that the first letter of the name is capitalized, and the remaining letters are in lowercase.

How should you complete the code? To answer, drag the appropriate code segment to the correct position. 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

charAt	substring
toLowerCase	toUpperCase

Answer Area

```
public String showGreeting(String firstName)
{
    String welcomeMsg = "Welcome, ";

    welcomeMsg += firstName.[        ](0, 1).[        ]() +

        firstName.[        ](1).[        ]();

    return welcomeMsg;
}
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Code Segments

charAt	substring
toLowerCase	toUpperCase

Answer Area

```
public String showGreeting(String firstName)
{
    String welcomeMsg = "Welcome, ";

    welcomeMsg += firstName.[toUpperCase](0, 1).[substring]() +

        firstName.[charAt](1).[toLowerCase]();

    return welcomeMsg;
}
```

NEW QUESTION 17

You work as a Java programmer.
You need to convert a numeric string to a primitive double value. Which code segment should you use?
A)

```
Double.valueOf(numberString);
```

B)

```
double.parseDouble(numberString);
```

C)

```
String.parseDouble(numberString);
```

D)

```
Double.parseDouble(numberString);
```

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

Answer: D

NEW QUESTION 18
DRAG DROP
Your instructor asks you to evaluate four arithmetic code segments.
What is the value of each code segment? To answer, drag the appropriate value from the column on the left to its code segment on the right. Each value 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.

Values

0	1
2	2.5
15	19
26	90

Answer Area

```
( 2 + 3 ) * 4 - 1      [        ]

4 * 4 + 2 * 5          [        ]

8 * 2 % 3              [        ]

5 / 2 - 4 % 2          [        ]
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 20
HOTSPOT
You need to evaluate the following code. Line numbers are included for reference only.

```
01 public static void main(String[] args) {
02    int anum = 55;
03    for (int cnt = 0; cnt < 10; cnt++) {
04       add(anum);
05    }
06    System.out.println(anum);
07 }
08
09 public static void add(int anum) {
10    anum++;
11 }
```

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the code. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 25
DRAG DROP
You are interviewing for a job at Adventure Works, Inc. The hiring manager asks you to create a simple console program.
The program takes multiple arguments from the command line and writes them to the screen in the same order as they were typed on the command line.
Which three code segments should you use to develop the solution? To answer, move the appropriate code segments from the list of code segments to the answer area and arrange them in the correct order.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 30
......

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