



CompTIA

Exam Questions FC0-U61

CompTIA IT Fundamentals+ Certification Exam

NEW QUESTION 1

Which of the following categories describes commands used to extract information from a database?

- A. DDL
- B. DDR
- C. DLL
- D. DML

Answer: D

Explanation:

DML stands for Data Manipulation Language, which is a category of commands used to extract information from a database, such as SELECT, INSERT, UPDATE, and DELETE. These commands allow a programmer to query, modify, and delete data from tables and views in a database. DDL stands for Data Definition Language, which is a category of commands used to create and modify the structure of a database, such as CREATE, ALTER, and DROP. These commands allow a programmer to define tables, views, indexes, and other objects in a database. DDR stands for Data Recovery Language, which is not a standard category of commands in SQL (Structured Query Language), the most common language for interacting with databases. DLL stands for Dynamic Link Library, which is not related to databases at all. It is a file format that contains executable code and resources that can be used by multiple applications on Windows operating systems. References: CompTIA IT Fundamentals (ITF+) Study Guide: Exam FC0-U61, Second Edition, Chapter 4: Software Development Concepts, page 142

NEW QUESTION 2

Which of the following are the primary functions of an operating system? (Choose two.)

- A. Provide structure for file and data management.
- B. Provide protection against malware and viruses.
- C. Provide peer-to-peer networking capability.
- D. Provide user data encryption.
- E. Provide virtual desktop capability.
- F. Provide system resources.

Answer: AF

Explanation:

Providing structure for file and data management and providing system resources are the primary functions of an operating system. An operating system is a type of software that manages the hardware and software resources of a computer or device. Providing structure for file and data management is a function of an operating system that allows users to organize, store, access, and modify files and data on a storage device. Providing system resources is a function of an operating system that allows users to run multiple applications or processes at the same time by allocating memory, CPU, disk space, network bandwidth, etc. Providing protection against malware and viruses, providing peer-to-peer networking capability, providing user data encryption, and providing virtual desktop capability are not primary functions of an operating system. These are functions that can be performed by other types of software or hardware devices. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 3: Computing Components, page 127.

NEW QUESTION 3

An online retailer experienced an outage. An investigation revealed that the server received more requests than it could handle, and customers could not log in as a result. Which of the following best describes this scenario?

- A. Hardware failure
- B. Denial of service
- C. On-path attack
- D. Social engineering

Answer: B

Explanation:

The scenario where an online retailer experienced an outage because the server received more requests than it could handle and customers could not log in as a result is best described as a denial of service. A denial of service is a type of attack that aims to disrupt or prevent the normal functioning or availability of a system or network by overwhelming it with excessive traffic or requests. A denial of service can cause performance degradation, slowdown, or outage for the system or network and its legitimate users. A denial of service can be performed by a single attacker or a group of attackers using multiple compromised devices, which is called a distributed denial of service (DDoS). A hardware failure is not the scenario that describes the online retailer's outage, but rather a possible cause or consequence of the outage. A hardware failure is a malfunction or breakdown of a physical component of a system or network, such as a disk, a memory, a CPU, a power supply, etc. A hardware failure can cause data loss, corruption, or interruption for the system or network and its users. A hardware failure can be caused by various factors, such as wear and tear, physical damage, overheating, power surge, etc. A hardware failure can also be induced by a denial of service attack that damages the hardware by overloading it. An on-path attack is not the scenario that describes the online retailer's outage, but rather a type of network attack that involves intercepting or modifying data packets that are transmitted between two parties on a network. An on-path attack can compromise the confidentiality, integrity, or authenticity of the data or communication between the parties. An on-path attack can be performed by an attacker who has access to the same network segment or device as one of the parties, such as a router, a switch, or a hub. An on-path attack can also be performed by an attacker who tricks one of the parties into sending data to them instead of the intended destination, which is called a man-in-the-middle attack. A social engineering attack is not the scenario that describes the online retailer's outage, but rather a type of attack that exploits human psychology and behavior to manipulate people into performing actions or revealing information that benefits the attacker. A social engineering attack can take various forms, such as phishing, vishing, baiting, quid pro quo, pretexting, or tailgating. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 7: Security Concepts

NEW QUESTION 4

Employees of a large technology company are provided access to the internet as a work resource. Which of the following most likely represents the level of privacy employees should expect when utilizing this resource?

- A. Only the attempts to access unapproved URLs are logged.
- B. All internet usage is logged by a corporate server and may be monitored live.
- C. All internet browsing is private and anonymous.
- D. Only the attempts to access sites that include prohibited keywords are logged.

Answer: B

NEW QUESTION 5

Consider the following statements:

```
if userin = "commander"
    then clearance = "topsecret"
    else if userin = "analyst"
        then clearance = "restricted"
    else
        clearance = "normal"
```

Given the input (userin) of "analyst", to which of the following would the clearance variable be set?

- A. topsecret
- B. normal
- C. analyst
- D. restricted

Answer: D

Explanation:

Float is a data type that can store decimal or fractional numbers, such as 3.14, 0.5, or -2.75. Float would be the best data type to use for storing monetary values because monetary values often involve decimals, such as \$1.99, 0.25, or -5.50. Integer is a data type that can only store whole numbers, such as 1, 0, or -2. Integer would not be suitable for storing monetary values that have decimals. The other options are not data types that can store numerical values. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 4: Programming Concepts and Data Structures, page 146.

NEW QUESTION 6

An administrator grants permission for a user to access data in a database. Which of the following actions was performed?

- A. Data correlation
- B. Data manipulation
- C. Data gathering
- D. Data definition

Answer: D

Explanation:

Data definition is the process of creating, modifying, or deleting the structure and objects of a database, such as tables, fields, indexes, and views. Data definition is performed using data definition language (DDL), which is a subset of SQL commands. An administrator can use DDL to grant or revoke permissions for a user to access data in a database. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 144.

NEW QUESTION 7

A technician overhears a systems administrator mention the term "IOPS". To which of the following operating system functions would the term BEST apply?

- A. Disk management
- B. Process management
- C. Application management
- D. Service management

Answer: A

Explanation:

IOPS (Input/Output Operations Per Second) is a term that refers to the performance of a storage device or system. It measures how many read and write operations can be performed by the storage device or system in one second. IOPS would best apply to the operating system function of disk management, which involves managing how data is stored, accessed, and organized on disks. Process management, application management, and service management are not operating system functions that directly relate to IOPS. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 4: Programming Concepts and Data Structures, page 158.

NEW QUESTION 8

An application is hosted on a local network. Which of the following descriptions is correct?

- A. LAN access is required.
- B. The application exists locally.
- C. Files are saved in the cloud.
- D. Internet access is required.

Answer: A

Explanation:

LAN access is required for an application that is hosted on a local network. A local network, also known as a local area network (LAN), is a group of devices that are connected within a limited geographic area, such as a home, an office, or a school. A LAN allows the devices to communicate and share resources, such as files, printers, or applications. An application that is hosted on a local network means that the application is installed and running on one or more devices within the LAN, and can be accessed by other devices within the same LAN. However, to access the application, the device must be connected to the LAN, either by a wired or wireless connection. The application does not exist locally on the device that accesses it, unless it is also installed on that device. The application does not save files in the cloud, unless it has a feature that allows it to sync with a cloud service. The application does not require internet access, unless it needs to communicate with external servers or services outside the LAN. References: CompTIA IT Fundamentals (ITF+) Study Guide: Exam FC0-U61, Second Edition,

Chapter 3: Infrastructure, pages 83-84

NEW QUESTION 9

A user is trying to set up a new wireless access point. Which of the following should the user do first?

- A. Change the SSID to a unique name.
- B. Change the default password.
- C. Enable WPA2 encryption.
- D. Enable the highest available wireless standard.

Answer: B

Explanation:

A wireless access point (WAP) is a device that allows wireless devices to connect to a wired network using Wi-Fi or Bluetooth. A WAP usually has a default configuration that is set by the manufacturer, which may include a default password, SSID (service set identifier), encryption type, and wireless standard. The default password is often weak or well-known, which makes the WAP vulnerable to unauthorized access or hacking. Therefore, the first thing that a user should do when setting up a new WAP is to change the default password to a strong and unique one. This will help secure the WAP and prevent unwanted changes or attacks. Changing the SSID to a unique name, enabling WPA2 encryption, and enabling the highest available wireless standard are also important steps to improve the security and performance of the WAP, but they should be done after changing the default password.

NEW QUESTION 10

Which of the following is an example of an interpreted language?

- A. C++
- B. Java
- C. Python
- D. Go

Answer: C

Explanation:

Python is an example of an interpreted language, which is a type of programming language that does not need to be compiled before execution. Instead, an interpreter program translates and executes the source code line by line at run time. Interpreted languages are usually easier to write and debug, but slower to execute than compiled languages. C++ and Java are examples of compiled languages, which are types of programming languages that need to be translated into executable machine code by a compiler program before execution. Compiled languages are usually faster to execute but harder to write and debug than interpreted languages. Go is an example of a hybrid language, which is a type of programming language that combines features of both compiled and interpreted languages. Hybrid languages use an intermediate code that can be executed by a virtual machine or an interpreter at run time. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 4: Programming Concepts and Data Structures, page 140.

NEW QUESTION 10

A user wants to use a laptop outside the house and still remain connected to the Internet. Which of the following would be the BEST choice to accomplish this task?

- A. Thunderbolt cable
- B. Bluetooth module
- C. Infrared port
- D. WLAN card

Answer: D

Explanation:

A WLAN card would be the best choice for a user who wants to use a laptop outside the house and still remain connected to the Internet. A WLAN card stands for wireless local area network card, which is a device that allows a laptop to connect to a wireless network using radio waves. A WLAN card can enable a laptop to access the Internet through public or private wireless hotspots, such as cafes, libraries, airports, or homes. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 170.

NEW QUESTION 15

Which of the following language types would a web developer MOST likely use to create a website?

- A. Interpreted
- B. Query
- C. Compiled
- D. Assembly

Answer: A

Explanation:

Interpreted is the type of language that a web developer would most likely use to create a website. Interpreted languages are languages that do not need to be compiled before execution. Instead, they are translated into machine code by an interpreter program at run time. Interpreted languages are often used for web development because they are portable, flexible, and easy to modify. Examples of interpreted languages include HTML, CSS, JavaScript, PHP, and Python. References : The Official CompTIA IT Fundamentals (ITF+) Study Guid (FC0-U61), page 132-133. edge browser The user has the page open in a Microsoft Edge browser window whose metadata is:



NEW QUESTION 19

When transferring a file across the network, which of the following would be the FASTEST transfer rate?

- A. 1001Kbps
- B. 110Mbps
- C. 1.22Gbps
- D. 123Mbps

Answer: C

Explanation:

* 1.22Gbps would be the fastest transfer rate when transferring a file across the network among the given options. A transfer rate is a measure of how much data can be transmitted or received over a network in a given time. A transfer rate is usually expressed in bits per second (bps) or its multiples, such as Kbps (kilobits per second), Mbps (megabits per second), or Gbps (gigabits per second). A higher transfer rate means faster data transmission or reception. 1.22Gbps is equivalent to 1,220Mbps, which is higher than 110Mbps, 123Mbps, or 1001Kbps. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 164.

NEW QUESTION 21

When editing a document, which of the following describes where the changes are located before they are saved to permanent storage?

- A. SSD
- B. CPU
- C. RAM
- D. GPU

Answer: C

Explanation:

RAM stands for Random Access Memory, which is where the changes are located before they are saved to permanent storage when editing a document. RAM is a type of volatile memory that stores data temporarily while the computer is running. RAM allows fast access and modification of data by the CPU, but it loses its contents when the power is turned off. SSD stands for Solid State Drive, which is a type of permanent storage that stores data persistently even when the power is turned off. SSD uses flash memory chips to store data, which offer faster performance and lower power consumption than traditional hard disk drives (HDDs). CPU stands for Central Processing Unit, which is the main component of a computer that executes instructions and performs calculations. CPU does not store data, but it uses registers and cache memory to hold data temporarily during processing. GPU stands for Graphics Processing Unit, which is a specialized component of a computer that handles graphics and image processing. GPU does not store data, but it uses dedicated memory to hold graphics data temporarily during rendering. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 1: IT Fundamentals

NEW QUESTION 25

A help desk technician encounters an issue and wants to find out if a colleague has encountered the same issue before. Which of the following should the technician do FIRST?

- A. Check Knowledge Base.
- B. Search local logs.
- C. Research possible theories.
- D. N
- E. of users.

Answer: A

Explanation:

A Knowledge Base is a collection of information that provides solutions to common problems or issues encountered by IT professionals. A Knowledge Base can be accessed online or offline, and can be maintained by an organization or a vendor. A help desk technician should check the Knowledge Base first before trying other methods, as it may contain the answer or a workaround for the issue. References: CompTIA IT Fundamentals (ITF+) Study Guide, 2nd Edition, Chapter 6: Security

NEW QUESTION 26

Which of the following would MOST likely prevent malware sent as a compromised file via email from infecting a person's computer?

- A. Email previewing
- B. Patching
- C. Clear browsing cache
- D. Kill process

Answer: B

Explanation:

Patching would be the most likely way to prevent malware sent as a compromised file via email from infecting a person's computer. Patching is the process of applying updates or fixes to software or hardware to improve performance, security, or functionality. Patching can help prevent malware infections by closing the vulnerabilities or flaws that malware exploits to infect systems. Users should regularly patch their operating systems, applications, and antivirus software to protect their computers from malware attacks. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 202.

NEW QUESTION 30

A computer user is downloading software from the Internet and notices the following at the end of the install file: "...x86.exe". Which of the following statements BEST represents what the "...x86.exe" means in the installation file?

- A. x86 only supports an installation on a 32-bit CPU architecture.

- B. x86 supports an installation on a 32-bit and a 64-bit CPU architecture.
- C. x86 only supports an installation on a 64-bit CPU architecture.
- D. x86 supports an installation on a 16-bit CPU architecture.

Answer: A

Explanation:

x86 only supports an installation on a 32-bit CPU architecture is the statement that best represents what the "...x86.exe" means in the installation file. x86 is a term that refers to a family of processors or instruction sets that use 32-bit registers and memory addresses. x86 processors can only run software applications that are compatible with the 32-bit architecture. An installation file that has the suffix "...x86.exe" indicates that the file is an executable file that can only be installed on a 32-bit system. A 64-bit system can run both 32-bit and 64-bit applications, but a 32-bit system can only run 32-bit applications. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 34.

NEW QUESTION 34

Which of the following data types should a developer use when creating a variable to hold a postal code?

- A. Integer
- B. String
- C. Float
- D. Boolean

Answer: B

Explanation:

A string is the data type that a developer should use when creating a variable to hold a postal code. A string is a sequence of characters that can represent text, symbols, or numbers. A string can store any value that can be typed on a keyboard, such as "Hello", "123", or "90210". A string is enclosed by quotation marks to distinguish it from other types of data. A postal code is an example of a value that can be stored as a string. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 139.

NEW QUESTION 38

A database administrator finds that a table is not needed in a relational database. Which of the following commands is used to completely remove the table and its data?

- A. UPDATE
- B. DELETE
- C. ALTER
- D. DROP

Answer: D

Explanation:

DROP is the command that is used to completely remove a table and its data from a relational database. DROP is a SQL (Structured Query Language) statement that deletes the definition and contents of a database object, such as a table, index, or view. DROP cannot be undone, so it should be used with caution. For example, the statement DROP TABLE Customers; will delete the table named Customers and all its data from the database. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 14

NEW QUESTION 40

Which of the following BEST describes a technology that allows multiple users to create and edit reports at the same time?

- A. Text file on a shared drive
- B. Managed relational database
- C. Informational intranet page
- D. Locally installed productivity software

Answer: B

Explanation:

A managed relational database is a type of database that is hosted and maintained by a cloud service provider such as Microsoft Azure or Amazon Web Services. A relational database is a type of database that organizes data into tables that are related to each other by common fields or attributes. A managed relational database would be the best option for allowing multiple users to create and edit reports at the same time because it can handle concurrent user requests, provide high availability and scalability, and perform complex queries and operations on the data. A text file on a shared drive, an informational intranet page, and locally installed productivity software are not options that can allow multiple users to create and edit reports at the same time because they cannot handle concurrent user requests, provide high availability and scalability, or perform complex queries and operations on the data. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 5: Database Fundamentals, page 197.

NEW QUESTION 42

A gaming console needs to allow for inbound connectivity on a home network to facilitate chat functions. Which of the following devices is a user MOST likely to configure to allow this?

- A. Cable modem
- B. Wireless router
- C. Access point
- D. Network switch

Answer: B

Explanation:

A wireless router is a device that connects wireless devices to a wired network and allows them to communicate with each other and access the Internet. A

wireless router also has firewall features that can block or allow inbound or outbound traffic based on rules or settings. A user can configure the wireless router to allow inbound connectivity on a home network for a gaming console by opening or forwarding ports that are used for chat functions. A cable modem, an access point, and a network switch are not devices that can be configured to allow inbound connectivity on a home network for a gaming console. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 6: Infrastructure Concepts, page 227.

NEW QUESTION 44

A user is getting an error message when trying to go to a website. A technician asks the user a few questions to find out more about the issue. The technician opens a browser locally and browses to the same site as the user. Which of the following troubleshooting steps is the technician using by browsing to the same site?

- A. Establish a plan of action.
- B. Gather information
- C. Duplicate the problem.
- D. Find the root cause.

Answer: C

Explanation:

The troubleshooting methodology is a systematic approach to solving problems that involves several steps, such as identifying the problem, establishing a theory of probable cause, testing the theory, establishing a plan of action, implementing the solution, verifying functionality, and documenting the findings. One of the steps in identifying the problem is to duplicate the problem, which means to reproduce the same error or issue that the user is experiencing. This can help the technician to verify the symptoms, narrow down the scope, and eliminate possible causes¹⁰¹¹. References:= CompTIA IT Fundamentals (ITF+) Study Guide, 2nd Edition, Chapter 7: Explain the Troubleshooting Methodology⁴; Troubleshooting Methodology | IT Support and Help Desk | CompTIA¹²

NEW QUESTION 49

Which of the following is the most secure filesystem?

- A. FAT32
- B. NFS
- C. NTFS
- D. exFAT

Answer: C

Explanation:

NTFS stands for New Technology File System, which is the most secure file system among the given options. NTFS is a file system that was developed by Microsoft for Windows operating systems. NTFS supports features such as encryption, compression, permissions, quotas, and auditing, which enhance the security and performance of the file system. FAT32 stands for File Allocation Table 32, which is a file system that was developed by Microsoft for older versions of Windows and DOS operating systems. FAT32 does not support encryption, compression, permissions, quotas, or auditing, and it has limitations on the size of files and partitions that it can handle. NFS stands for Network File System, which is a file system that was developed by Sun Microsystems for Unix and Linux operating systems. NFS allows users to access files on remote servers as if they were local files, but it does not support encryption or compression. exFAT stands for Extended File Allocation Table, which is a file system that was developed by Microsoft for flash drives and other removable media. exFAT supports larger files and partitions than FAT32, but it does not support encryption, compression, permissions, quotas, or auditing. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 4: Operating System Fundamentals

NEW QUESTION 51

Which of the following business continuity concepts is the best example of fault tolerance?

- A. Data restoration
- B. Redundant power
- C. Disaster recovery
- D. Restoring access

Answer: B

Explanation:

Redundant power is the best example of fault tolerance among the given business continuity concepts. Fault tolerance refers to the ability of a system to continue functioning despite failures or errors in some of its components. Redundant power provides backup sources of electricity in case of power outages or surges, ensuring uninterrupted operation of critical systems. Data restoration refers to the process of recovering lost or corrupted data from backups or other sources. Disaster recovery refers to the plan and procedures for restoring normal business operations after a major disruption, such as a natural disaster or a cyberattack. Restoring access refers to the process of granting users the ability to use systems or resources that were previously unavailable or inaccessible. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 7: Security Concepts¹

NEW QUESTION 55

A desktop administrator just connected a printer to a workstation, but the workstation does not recognize the printer. Which of the following does the workstation MOST likely need for the printer to function?

- A. Permission
- B. Ink cartridge
- C. USB cable
- D. Driver

Answer: D

Explanation:

A driver is a software component that enables a device, such as a printer, to communicate with the operating system of a computer. Without a proper driver, the workstation will not be able to recognize or use the printer. Therefore, the workstation most likely needs a driver for the printer to function. The other options are not relevant to the problem of device recognition.

NEW QUESTION 59

A developer is creating specific step-by-step instructions/procedures and conditional statements that will be used by a computer program to solve problems. Which of the following is being developed?

- A. Algorithm
- B. Software
- C. Pseudocode
- D. Flowchart

Answer: A

Explanation:

An algorithm is a set of specific step-by-step instructions/procedures and conditional statements that will be used by a computer program to solve problems. An algorithm defines the logic and sequence of actions that a computer program must follow to perform a task or achieve a goal. An algorithm can be expressed in various ways, such as pseudocode, flowchart, or natural language. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 131.

NEW QUESTION 60

Which of the following would MOST likely use an ARM processor?

- A. Laptop
- B. Tablet
- C. Workstation
- D. Server

Answer: B

Explanation:

An ARM processor is a type of processor that uses a reduced instruction set computer (RISC) architecture, which means it executes fewer and simpler instructions than other types of processors. An ARM processor is designed to be energy-efficient, low-cost, and suitable for mobile devices. A tablet would most likely use an ARM processor because it is a mobile device that needs to conserve battery power and perform basic tasks. A laptop, a workstation, and a server are not devices that would most likely use an ARM processor because they are not mobile devices or they need to perform more complex tasks. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 3: Computing Components, page 115.

NEW QUESTION 62

A regulation requires new applicants to provide a scan of their retinas in case of any future legal questions regarding who applied for the position. Which of the following concepts is this an example of?

- A. Non-repudiation
- B. Authentication
- C. Integrity
- D. Accounting

Answer: A

Explanation:

Non-repudiation is a security concept that refers to the ability to prove the origin and authenticity of an action or communication, such as an email or a document. Non-repudiation prevents someone from denying their involvement or responsibility for something they have done or sent. Non-repudiation can be achieved by using methods such as digital signatures, encryption, timestamps, or biometric data. For example, scanning the retinas of new applicants can provide non-repudiation in case of any future legal questions regarding who applied for the position⁸⁹. References:= CompTIA IT Fundamentals (ITF+) Study Guide, 2nd Edition, Chapter 6: Security³; What is Non-Repudiation? - Definition from Techopedia¹⁰

NEW QUESTION 65

Which of the following should have the HIGHEST expectation of privacy?

- A. A picture posted to a social media website
- B. A presentation saved to a corporate file server
- C. A locally stored word processing document
- D. A spreadsheet emailed to a business client

Answer: C

Explanation:

A locally stored word processing document would have the highest expectation of privacy among the given options. Privacy is the right or ability of individuals or groups to control or limit the access or disclosure of their personal information by others. A locally stored word processing document is a file that contains text, images, or other data that is created and saved on a device's internal storage, such as a hard drive or SSD. A locally stored word processing document can have a higher level of privacy than a file that is shared, uploaded, or transmitted over the Internet or a network, because it is less exposed to potential threats or breaches. However, a locally stored word processing document may still require additional security measures, such as encryption, password protection, or backup, to ensure its privacy and integrity. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 205.

NEW QUESTION 69

Which of the following BEST describes an application running on a typical operating system?

- A. Process
- B. Thread
- C. Function
- D. Task

Answer: A

Explanation:

An application running on a typical operating system is an example of a process, which is a program or a set of instructions that is loaded into memory and executed by the CPU. A process can have one or more threads, which are subunits of execution that share the resources of the process. A process can also perform one or more tasks, which are units of work that the process needs to accomplish. A process can also call one or more functions, which are blocks of code that perform a specific operation and return a value¹²³. References := CompTIA IT Fundamentals (ITF+) Study Guide, 2nd Edition, Chapter 2: Computing Basics⁴; What is a Process? - Definition from Techopedia⁵; What is a Thread? - Definition from Techopedia⁶

NEW QUESTION 70

A technician is installing a new wireless network and wants to secure the wireless network to prevent unauthorized access. Which of the following protocols would be the MOST secure?

- A. WPA
- B. SSID
- C. WEP
- D. WPA2

Answer: D

Explanation:

WPA2 is the most secure protocol for securing a wireless network and preventing unauthorized access. WPA2 stands for Wi-Fi Protected Access 2, which is an encryption standard that provides strong security and privacy for wireless communications. WPA2 uses AES (Advanced Encryption Standard) to encrypt data and CCMP (Counter Mode with Cipher Block Chaining Message Authentication Code Protocol) to authenticate data. WPA2 also supports PSK (Pre-Shared Key) and EAP (Extensible Authentication Protocol) methods for verifying the identity of users or devices that connect to the wireless network. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 172.

NEW QUESTION 73

Which of the following storage types is MOST vulnerable to magnetic damage?

- A. Flash
- B. SSD
- C. Optical
- D. HDD

Answer: D

Explanation:

HDD (Hard Disk Drive) is a type of storage device that uses magnetic disks to store data. HDD is the most vulnerable to magnetic damage among the options given because magnetic fields can interfere with the read/write heads or the magnetic disks, causing data loss or corruption. Flash, SSD (Solid State Drive), and Optical are not types of storage devices that use magnetic disks to store data. Flash and SSD are types of storage devices that use flash memory chips to store data. Optical is a type of storage device that uses laser beams to read or write data on optical discs, such as CDs, DVDs, or Blu-ray discs. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 3: Computing Components, page 122.

NEW QUESTION 78

Which of the following are the basic computing operations?

- A. Input, process, output, and feedback
- B. Input, output, storage, and feedback
- C. Input, process, and output
- D. Input, process, output, and storage

Answer: D

Explanation:

Input, process, output, and storage are the basic computing operations that describe how a computer system works. Input is the data or instructions that are entered into the computer system by the user or another device. Process is the manipulation or transformation of the input data by the computer system according to a set of rules or algorithms. Output is the result or information that is displayed or sent by the computer system to the user or another device. Storage is the retention or preservation of the input, output, or intermediate data by the computer system for future use. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 28.

NEW QUESTION 79

Which of the following creates multifactor authentication when used with something you have?

- A. Single sign-on
- B. Hardware token
- C. Geolocation
- D. Password

Answer: D

Explanation:

A password is something you know, which can be used to create multifactor authentication when used with something you have, such as a hardware token or a smart card. Multifactor authentication is a security method that requires two or more factors of authentication to verify a user's identity. Single sign-on is a feature that allows a user to access multiple applications or systems with one set of credentials, but it does not necessarily involve multifactor authentication. Geolocation is a feature that determines a user's physical location based on GPS or other methods, but it does not necessarily involve multifactor authentication. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 7: Security Concepts

NEW QUESTION 82

Which of the following is an advantage of installing an application to the cloud?

- A. Data is not stored locally.
- B. Support is not required.
- C. Service is not required.
- D. Internet access is not required.

Answer: A

Explanation:

An advantage of installing an application to the cloud is that data is not stored locally on the user's device or computer. This means that data can be accessed from anywhere with an internet connection, without taking up space on the device or computer. Data stored in the cloud can also be more secure and reliable than data stored locally, as it can be protected by encryption, backup, and redundancy measures provided by the cloud service provider¹¹¹². References:= CompTIA IT Fundamentals (ITF+) Study Guide, 2nd Edition, Chapter 5: Database Fundamentals³; What are Cloud Applications? - Definition from Techopedia¹³

NEW QUESTION 86

A user is selecting software to use to prepare handouts for a presentation. The user would like the information to be easy to format and printer friendly. Which of the following software types should the user select?

- A. Word processing
- B. Spreadsheet
- C. Text editor
- D. Visual diagramming

Answer: A

Explanation:

The software type that the user should select to prepare handouts for a presentation that are easy to format and printer friendly is word processing. Word processing is a type of software that allows users to create, edit, format, and print text documents, such as letters, reports, resumes, etc. Word processing software provides features such as fonts, styles, margins, alignment, bullets, numbering, tables, images, etc., that enable users to customize the appearance and layout of their documents. Word processing software also provides features such as spell check, grammar check, word count, etc., that enable users to improve the quality and accuracy of their documents. Word processing software can also support various file formats and printing options that enable users to save and print their documents easily and conveniently. Examples of word processing software include Microsoft Word, Google Docs, LibreOffice Writer, etc. Spreadsheet is not the software type that the user should select to prepare handouts for a presentation that are easy to format and printer friendly, but rather a type of software that allows users to create, edit, format, and print numerical data in rows and columns, such as budgets, invoices, charts, etc. Spreadsheet software provides features such as formulas, functions, graphs, pivot tables, etc., that enable users to perform calculations, analysis, or visualization on their data. Spreadsheet software can also support various file formats and printing options that enable users to save and print their data easily and conveniently. Examples of spreadsheet software include Microsoft Excel, Google Sheets, LibreOffice Calc, etc. Text editor is not the software type that the user should select to prepare handouts for a presentation that are easy to format and printer friendly, but rather a type of software that allows users to create, edit, or view plain text files, such as code, scripts, notes, etc. Text editor software provides features such as syntax highlighting, search and replace, indentation, etc., that enable users to manipulate text easily and efficiently. Text editor software does not provide features such as fonts, styles, images, etc., that enable users to customize the appearance or layout of their documents. Text editor software can also support various file formats but not printing options that enable users to save but not print their files easily and conveniently. Examples of text editor software include Notepad++, Sublime Text, Vim, etc.

NEW QUESTION 91

A technician has been asked to assign an IP address to a new desktop computer. Which of the following is a valid IP address the technician should assign?

- A. 127.0.0.1
- B. 172.16.2.189
- C. 192.168.257.1
- D. 255.255.255.0

Answer: B

Explanation:

* 172.16.2.189 is a valid IP address that a technician can assign to a new desktop computer. An IP address is a unique identifier that is assigned to a device on a network that uses the Internet Protocol (IP). An IP address consists of four numbers separated by dots, each ranging from 0 to 255. For example, 192.168.1.1 is an IP address. An IP address can be classified into different classes based on the first number: Class A (1-126), Class B (128-191), Class C (192-223), Class D (224-239), and Class E (240-255). Each class has a different range of IP addresses that can be used for public or private networks. 172.16.2.189 is a Class B IP address that belongs to the private network range of 172.16.0.0 to 172.31.255.255. References : The Official CompTIA I Fundamentals (ITF+) Study Guide (FC0-U61), page 165.

NEW QUESTION 92

A startup company has created a logo. The company wants to ensure no other entity can use the logo for any purpose. Which of the following should the company use to BEST protect the logo? (Select TWO).

- A. Patent
- B. Copyright
- C. NDA
- D. Trademark
- E. EULA

Answer: BD

Explanation:

A logo is a graphical representation of a company's name, brand, or identity. A logo can be protected by both copyright and trademark laws. Copyright is a type of intellectual property that protects the original expression of ideas in tangible forms, such as books, music, art, or software. Copyright protects the logo from being copied, reproduced, or distributed without the permission of the owner. Trademark is a type of intellectual property that protects a word, phrase, symbol, or design that identifies and distinguishes the source of goods or services of one party from those of others. Trademark protects the logo from being used by other parties in a way that causes confusion or deception among consumers. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 211.

NEW QUESTION 96

A company's team members have both old and new laptops. Which of the following connectors should be available in the conference room to ensure everyone can use the conference room projectors? (Choose two.)

- A. USB
- B. HDMI
- C. FireWire
- D. VGA
- E. Bluetooth
- F. RJ45

Answer: BD

Explanation:

HDMI and VGA are the connectors that should be available in the conference room to ensure everyone can use the conference room projectors. HDMI and VGA are types of video connectors that are used to connect a video source, such as a laptop, to a video output, such as a projector. HDMI stands for High-Definition Multimedia Interface, which is a digital connector that can transmit high-quality video and audio signals over a single cable. VGA stands for Video Graphics Array, which is an analog connector that can transmit standard-definition video signals over a 15-pin cable. HDMI and VGA are common video connectors that are found on old and new laptops, respectively. Having both HDMI and VGA connectors in the conference room can ensure compatibility and connectivity for different laptops and projectors. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 40.

NEW QUESTION 98

A product advertising kiosk at a mall is set up using a thin client without a hard drive and is running a web application managed and updated through an internet connection. Which of the following application delivery methods is most likely being used for the kiosk?

- A. Local network-hosted
- B. Cloud-hosted
- C. Hybrid-installed
- D. Locally installed

Answer: B

Explanation:

The application delivery method that is most likely being used for the kiosk is cloud-hosted. Cloud-hosted is a type of application delivery method that involves running and accessing an application from a remote server or service over the internet. Cloud-hosted applications do not require installation or storage on the local device, but only a web browser or a client software to connect to the application. Cloud-hosted applications can provide benefits such as scalability, availability, security, and automatic updates. A product advertising kiosk at a mall that is set up using a thin client without a hard drive and is running a web application managed and updated through an internet connection is most likely using a cloud-hosted application delivery method, as it does not need any local resources or maintenance for the application. Local network-hosted is not the application delivery method that is most likely being used for the kiosk, but rather a type of application delivery method that involves running and accessing an application from a server or a device within the same local area network (LAN) as the client device. Local network-hosted applications require installation or storage on the server or device that hosts the application, but not on the client device. Local network-hosted applications can provide benefits such as speed, reliability, and control. A product advertising kiosk at a mall that is set up using a thin client without a hard drive and is running a web application managed and updated through an internet connection is not likely using a local network-hosted application delivery method, as it would need to be connected to a server or device within the same LAN as the kiosk. Hybrid-installed is not the application delivery method that is most likely being used for the kiosk, but rather a type of application delivery method that involves running and accessing an application from both a local device and a remote server or service over the internet. Hybrid-installed applications require partial installation or storage on the local device, as well as a web browser or a client software to connect to the remote part of the application. Hybrid-installed applications can provide benefits such as flexibility, functionality, and performance. A product advertising kiosk at a mall that is set up using a thin client without a hard drive and is running a web application managed and updated through an internet connection is not likely using a hybrid-installed application delivery method, as it would need some local resources for the application. Locally installed is not the application delivery method that is most likely being used for the kiosk, but rather a type of application delivery method that involves running and accessing an application from the local device only. Locally installed applications require full installation or storage on the local device, but do not need any web browser or client software to connect to the internet. Locally installed applications can provide benefits such as offline access, customization, and compatibility. A product advertising kiosk at a mall that is set up using a thin client without a hard drive and is running a web application managed and updated through an internet connection is not likely using a locally installed application delivery method, as it would need a hard drive or other storage device for the application. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 4: Operating System Fundamentals1

NEW QUESTION 100

Which of the following BEST describes a kilobyte?

- A. A kilobyte is a measurement of storage (e.g., 100KB).
- B. A kilobyte is a measurement of throughput (e.g., 100Kbps).
- C. A kilobyte is a measurement of power (e.g., 100KW).
- D. A kilobyte is a measurement of processor speed (e.g., 2.4KHz).

Answer: A

Explanation:

A kilobyte is a unit of digital information that equals 1,024 bytes. A byte is the smallest unit of data that can be stored or processed by a computer. A kilobyte can store a small amount of text, such as a few sentences or a paragraph. Storage devices, such as hard disks and flash drives, use kilobytes and other larger units, such as megabytes and gigabytes, to measure their capacity and performance. References: The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 38.

NEW QUESTION 102

Which of the following storage types uses platters to store data?

- A. Hard drive
- B. Solid-state drive
- C. Optical drive

D. Flash drive

Answer: A

Explanation:

A hard drive, also known as a hard disk drive (HDD), is a type of storage device that uses one or more rotating platters coated with magnetic material to store data. The platters are accessed by read/write heads that move across the surface of the platters as they spin. The data is stored as tiny magnetic regions on the platters, which can be changed or read by the heads. Hard drives are non-volatile, meaning they retain data even when power is off. Hard drives offer large storage capacity, low cost per gigabyte, and fast data transfer rates compared to other storage types. However, they are also prone to mechanical failures, noise, heat, and physical damage

NEW QUESTION 103

Which of the following describes something in a database that refers to the unique identifier in the parent table?

- A. Attribute
- B. Constraint
- C. Foreign key
- D. Schema

Answer: C

Explanation:

A foreign key is a column or a set of columns in a table that refers to the unique identifier (or primary key) in another table. A foreign key establishes a relationship between two tables and ensures referential integrity. For example, in a database that stores information about students and courses, the student table may have a column called student_id that is the primary key for each student record. The course table may have a column called student_id that is the foreign key that refers to the student_id in the student table. This way, the database can link each course record to the corresponding student record³⁴. References:= CompTIA IT Fundamentals (ITF+) Study Guide, 2nd Edition, Chapter 5: Database Fundamentals²; What is RDBMS (Relational Database Management System) - Javatpoint⁵; What is a Relational Database Management System? | Microsoft Azure⁶

NEW QUESTION 105

A company wants an application to be accessed by concurrent users and store company information securely. Which of the following would be the BEST option for storing the information?

- A. Word processing document
- B. Flat file
- C. Database
- D. Spreadsheet

Answer: C

Explanation:

A database is a collection of data that is organized and stored in a way that allows easy access, manipulation, and analysis. A database would be the best option for storing information for an application that needs to be accessed by concurrent users and store company information securely. A database can handle multiple user requests, enforce data integrity and security, and perform complex queries and operations on the data. A word processing document, a flat file, and a spreadsheet are not options that can support concurrent users, store company information securely, or perform complex operations on the data. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 5: Database Fundamentals, page 191.

NEW QUESTION 107

Which of the following would a company consider an asset?

- A. An external company used to destroy defective hard drives
- B. Information residing on backup tapes
- C. A company-sponsored technology conference
- D. A certified third-party vendor that provides critical components

Answer: B

Explanation:

Information residing on backup tapes is an example of an asset that a company would consider valuable or important. An asset is any resource or item that has value or benefit for an organization, such as hardware, software, data, personnel, etc. An asset can be tangible or intangible, physical or digital, owned or leased, etc. Information residing on backup tapes is an asset because it contains data that may be critical or essential for the organization's operations, functions, or goals. Information residing on backup tapes may also contain sensitive or confidential data that needs to be protected from loss, damage, theft, or unauthorized access. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 204.

NEW QUESTION 112

Malware infections are being caused by websites. Which of the following settings will help prevent infections caused by Internet browsing?

- A. Turn on private browsing
- B. Delete browsing history on program close.
- C. Notify when downloads are complete.
- D. Configure prompting before downloading content.

Answer: D

Explanation:

Configuring prompting before downloading content will help prevent infections caused by Internet browsing. Prompting before downloading content is a browser setting that asks the user for confirmation or permission before downloading any file or program from a website. This setting can help prevent malware infections by allowing the user to check the source, type, and size of the file or program before downloading it. Prompting before downloading content can also help the user

avoid unwanted or unnecessary downloads that may consume bandwidth or storage space. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 202.

NEW QUESTION 113

Which of the following computer components allows for communication over a computer network?

- A. RAM
- B. NIC
- C. CPU
- D. NAS

Answer: B

Explanation:

A NIC (network interface card) is the computer component that allows for communication over a computer network. A NIC is a hardware device that connects a computer to a network cable or a wireless access point. A NIC enables the computer to send and receive data packets over the network using protocols such as TCP/IP (Transmission Control Protocol/Internet Protocol). A NIC has a unique identifier called a MAC (media access control) address that distinguishes it from other devices on the network. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 169.

NEW QUESTION 117

A user revisits a website and receives a message that the site may not be secure. The user is prompted to click a link to continue to the site. Which of the following would MOST likely identify the issue?

- A. Checking the proxy settings
- B. Checking that caching is enabled
- C. Checking browser add-ons
- D. Checking certificate validity

Answer: D

Explanation:

A certificate is a digital document that verifies the identity and authenticity of a website. A certificate is issued by a trusted authority called a certificate authority (CA). A certificate contains information such as the website's domain name, the CA's name, the expiration date, and a digital signature. If a website's certificate is expired, invalid, or untrusted, the browser will warn the user that the site may not be secure and prompt them to click a link to continue. The user can check the certificate validity by clicking on the padlock icon next to the address bar and viewing the certificate details. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 6, Section 6.2, Page 260.

NEW QUESTION 119

The IT department has established a new password policy for employees. Specifically, the policy reads:

- Passwords must not contain common dictionary words
- Passwords must contain at least one special character.
- Passwords must be different from the last six passwords used.
- Passwords must use at least one capital letter or number.

Which of the following practices are being employed? (Select TWO).

- A. Password lockout
- B. Password complexity
- C. Password expiration
- D. Passwords history
- E. Password length
- F. Password age

Answer: BD

Explanation:

Password complexity and password history are two practices that are being employed by the IT department to establish a new password policy for employees. Password complexity is the requirement that passwords must contain a combination of different types of characters, such as letters, numbers, and symbols. Password complexity makes passwords harder to guess or crack by attackers. Password history is the record of the previous passwords used by a user. Password history prevents users from reusing the same passwords over and over again, which reduces the risk of compromise. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 208.

NEW QUESTION 121

Which of the following contains exactly four copper wires?

- A. RJ45
- B. VGA
- C. RJ11
- D. USB

Answer: C

Explanation:

RJ11 is a type of connector that is used for telephone lines. RJ11 has four copper wires that carry analog voice signals. RJ11 is smaller than RJ45, which is used for Ethernet cables. RJ11 is also different from VGA and USB, which are used for video and data transmission respectively. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 4, Section 4.2, Page 166.

NEW QUESTION 126

Which of the following is a wireless communication that requires devices to be within 6in of each other to transfer information?

- A. Infrared
- B. NFC
- C. Bluetooth
- D. WiFi

Answer: B

Explanation:

NFC stands for near field communication, which is a wireless communication technology that allows devices to exchange data or perform transactions when they are within a few centimeters of each other. NFC uses radio frequency identification (RFID) to create a short-range wireless connection. NFC is commonly used for contactless payments, smart cards, and digital wallets. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 174.

NEW QUESTION 128

Which of the following is a reason why complex passwords are required?

- A. To encourage password variety
- B. To prevent someone from guessing them
- C. To make them harder to remember
- D. To reduce social engineering attacks

Answer: B

Explanation:

A managed relational database is a type of database that is hosted and maintained by a cloud service provider such as Microsoft Azure or Amazon Web Services. A relational database is a type of database that organizes data into tables that are related to each other by common fields or attributes. A managed relational database would be the best option for allowing multiple users to create and edit reports at the same time because it can handle concurrent user requests, provide high availability and scalability, and perform complex queries and operations on the data. A text file on a shared drive, an informational intranet page, and locally installed productivity software are not options that can allow multiple users to create and edit reports at the same time because they cannot handle concurrent user requests, provide high availability and scalability, or perform complex queries and operations on the data. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 5: Database Fundamentals, page 197.

NEW QUESTION 130

Which of the following would be best to use to store a project task list that will be updated by multiple team members?

- A. Visual diagramming software
- B. Document sharing software
- C. Conferencing software
- D. Database software

Answer: B

Explanation:

Document sharing software is a type of software that allows multiple users to access, edit, and collaborate on the same document over the internet. Document sharing software can be useful for storing a project task list that will be updated by multiple team members, as it can provide features such as version control, real-time editing, commenting, chat, and access control. Document sharing software can also sync the document across different devices and platforms, making it easy to access and update the task list from anywhere. Some examples of document sharing software are Google Docs, Microsoft OneDrive, Dropbox Paper, and Zoho Docs

NEW QUESTION 132

Which of the following protocols is used to relay email from a user's mail server?

- A. IMAP
- B. FTP
- C. SMTP
- D. POP3

Answer: C

Explanation:

SMTP stands for Simple Mail Transfer Protocol, which is used to relay email from a user's mail server to another mail server or from a mail client to a user's mail server. IMAP stands for Internet Message Access Protocol, which is used to access and manage email messages on a mail server. FTP stands for File Transfer Protocol, which is used to transfer files between computers over a network. POP3 stands for Post Office Protocol version 3, which is used to download email messages from a mail server to a mail client. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 5: Infrastructure Concepts¹

NEW QUESTION 136

The computer language that is closest to machine code is:

- A. query language
- B. scripting language
- C. markup language
- D. assembly language

Answer: D

Explanation:

Assembly language is a low-level programming language that uses mnemonics or symbolic names to represent machine code instructions. Machine code is the binary code that is directly executed by the processor. Assembly language is the closest to machine code among the options given because it has a one-to-one correspondence with machine code instructions. Query language, scripting language, and markup language are not programming languages that are close to machine code because they use higher-level syntax or commands

that need to be translated or interpreted by other programs before execution. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 4: Programming Concepts and Data Structures, page 139.

NEW QUESTION 140

Which of the following database concepts would MOST likely use a CSV file?

- A. Data querying
- B. Data reports
- C. Data importing
- D. Data persistence

Answer: C

Explanation:

A CSV file is comma-separated values file that stores data in tabular format. A CSV file can be used to import data from one database to another, or from other sources such as spreadsheets, text files, or web pages. Data importing is the process of transferring data between different systems or formats1.

References: = CompTIA IT Fundamentals (ITF+) Study Guide, 2nd Edition, Chapter 5: Database Fundamentals2

NEW QUESTION 141

Which of the following is most likely to disclose the data collection practices of an application?

- A. README.txt file
- B. User's guide
- C. EULA
- D. Vendor website

Answer: C

Explanation:

The most likely source that will disclose the data collection practices of an application is the EULA. EULA stands for End User License Agreement, which is a legal contract between the software vendor and the user that defines the terms and conditions for using the software. The EULA often includes information about how the software collects, uses, stores, and shares user data, as well as what rights and responsibilities the user has regarding their data. A README.txt file is a text file that accompanies a software package and provides information about how to install, configure, or use the software. A README.txt file may not disclose the data collection practices of an application, unless it is explicitly stated by the vendor. A user's guide is a document that provides instructions and tips on how to use a software application effectively. A user's guide may not disclose the data collection practices of an application, unless it is explicitly stated by the vendor. A vendor website is a web page that provides information about a software vendor and their products or services. A vendor website may disclose the data collection practices of an application, but it may not be as detailed or accessible as the EULA. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 8: Software Development Concepts1

NEW QUESTION 146

A business would like to create an employee portal that employees will have access to when they are at work. The employees will not be able to connect to the portal from home without a VPN connection. Which of the following types of application does this describe?

- A. Local application
- B. Intranet application
- C. Extranet application
- D. Internet application

Answer: B

Explanation:

An intranet application is a type of application that is hosted on a private network and can only be accessed by authorized users within an organization. An intranet application would best describe an employee portal that employees can access when they are at work, but not from home without a VPN connection. A VPN (Virtual Private Network) is a technology that creates a secure and encrypted tunnel between a client device and a remote server over the Internet. A VPN can allow employees to access the intranet application from home by connecting to the private network of the organization. Local application, extranet application, and Internet application are not types of applications that describe an employee portal that employees can access when they are at work, but not from home without a VPN connection. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 5: Database Fundamentals, page 199.

NEW QUESTION 149

Joe, a user, finds out his password for a social media site has been compromised. Joe tells a friend that his email and banking accounts are probably also compromised. Which of the following has Joe MOST likely performed?

- A. Password reuse
- B. Snooping
- C. Social engineering
- D. Phishing

Answer: A

Explanation:

Password reuse is the practice of using the same password for multiple accounts or services. Password reuse is a bad security habit that can lead to compromise of multiple accounts if one of them is breached by an attacker. Joe has most likely performed password reuse if he thinks his email and banking accounts are also compromised after his password for a social media site was compromised. Joe should use different passwords for different accounts and change them regularly to

prevent password reuse. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 208.

NEW QUESTION 154

Which of the following is an advantage of a flat file?

- A. Variety of data
- B. Scalability
- C. Portability
- D. Multiple concurrent users

Answer: C

Explanation:

The advantage of a flat file is portability. Portability is the ability of a file or a system to be easily transferred or used on different platforms or devices. A flat file is a type of file that stores data in plain text format with fixed fields and records. A flat file can be easily transferred or used on different platforms or devices, as it does not require any special software or hardware to read or write the data. A flat file can also be easily imported or exported by various applications or databases. A flat file does not have a variety of data, as it only stores data of one type or entity, such as customers, products, or orders. A flat file does not support relationships, queries, or calculations on the data. A flat file does not have scalability, as it has limitations on the size and complexity of the data that it can store. A flat file can become large, slow, or redundant as more data is added. A flat file does not support multiple concurrent users, as it does not have any locking or transaction mechanisms to prevent data conflicts or errors. A flat file can only be accessed by one user at a time, or by multiple users in read-only mode. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 6: Database Fundamentals

NEW QUESTION 158

Which of the following filesystems is compatible with the greatest number of operating systems?

- A. ext4
- B. FAT32
- C. NTFS
- D. HFS

Answer: B

Explanation:

The filesystem that is compatible with the greatest number of operating systems is FAT32. FAT32 stands for File Allocation Table 32-bit, which is a filesystem that organizes data into clusters or groups of sectors on a storage device, such as a hard disk or a flash drive. FAT32 uses a 32-bit table to keep track of the location and status of each cluster. FAT32 can support volumes up to 2 TB and files up to 4 GB in size. FAT32 is compatible with most operating systems, such as Windows, Linux, Mac OS, Android, etc., as well as most devices, such as cameras, printers, game consoles, etc. FAT32 is one of the oldest and simplest filesystems, but it also has some limitations and drawbacks, such as fragmentation, waste of space, lack of security features, etc. ext4 is not the filesystem that is compatible with the greatest number of operating systems, but rather a filesystem that is mainly used by Linux operating systems. ext4 stands for Fourth Extended Filesystem, which is a filesystem that organizes data into blocks or groups of sectors on a storage device. ext4 uses an inode table to keep track of the location and attributes of each file or directory. ext4 can support volumes up to 1 EB and files up to 16 TB in size. ext4 has many features and advantages over FAT32, such as journaling, extents, subdirectories, encryption, etc., but it also has limited compatibility with other operating systems, such as Windows or Mac OS. NTFS is not filesystem that is compatible with greatest number of operating systems, but rather filesystem that is mainly used by Windows operating systems. NTFS stands for New Technology File System, which is filesystem that organizes data into clusters or groups of sectors on storage device. NTFS uses Master File Table (MFT) to keep track of location and attributes of each file or directory. NTFS can support volumes up to 256 TB and files up to 256 TB in size. NTFS has many features and advantages over FAT32, such as journaling, compression, encryption, security, etc., but it also has limited compatibility with other operating systems, such as Linux or Mac OS. HFS is not filesystem that is compatible with greatest number of operating systems, but rather filesystem that is mainly used by Mac OS operating systems. HFS stands for Hierarchical File System, which is filesystem that organizes data into blocks or groups of sectors on storage device. HFS uses catalog file to keep track of location and attributes of each file or directory. HFS can support volumes up to 2 TB and files up to 2 GB in size. HFS has some features and advantages over FAT32, such as resource forks, aliases, etc., but it also has some limitations and drawbacks, such as fragmentation, waste of space, lack of security features, etc. HFS also has limited compatibility with other operating systems, such as Windows or Linux. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 4: Operating System Fundamentals1

NEW QUESTION 160

A programmer is generating results by iterating rows that provide values needed for one calculation. Which of the following functions best accomplishes this task?

- A. Branching
- B. Pausing for input
- C. Sorting
- D. Looping

Answer: D

Explanation:

Looping is a function that allows a programmer to repeat a block of code for a certain number of times or until a condition is met. This is useful for iterating rows that provide values needed for one calculation, as it can perform the same operation on each row without writing redundant code. Branching is a function that allows a programmer to execute different blocks of code depending on a condition, such as an if-else statement. Pausing for input is a function that allows a programmer to stop the execution of the code and wait for the user to enter some data, such as using the input() function in Python. Sorting is a function that allows a programmer to arrange a collection of data in a certain order, such as ascending or descending. References: CompTIA IT Fundamentals (ITF+) Study Guide: Exam FC0-U61, Second Edition, Chapter 4: Software Development Concepts, page 139

NEW QUESTION 163

A user inserts a USB flash drive into a computer for the first time and sees a message on the screen indicating the device is being set up. The message quickly changes to indicate the device is ready for use. Which of the following device configuration types most likely occurred?

- A. Driver installation
- B. Plug-and-play
- C. IP-based
- D. Web-based

Answer: B

Explanation:

The device configuration type that most likely occurred when the user inserted a USB flash drive into a computer for the first time and saw a message indicating the device is being set up and ready for use is

plug-and-play. Plug-and-play is a feature that allows a device to be automatically recognized and configured by the operating system when it is connected to a computer using an interface such as USB or Bluetooth.

Plug-and-play simplifies the installation and use of devices by eliminating the need for manual settings or drivers. Driver installation is not the device configuration type that most likely occurred when the user inserted a USB flash drive into a computer for the first time and saw a message indicating the device is being set up and ready for use, but rather part of plug-and-play process. Driver installation involves loading software that enables communication between device and operating system. Driver installation may happen automatically or manually depending on device compatibility with operating system. IP-based configuration is not device configuration type that most likely occurred when user inserted USB flash drive into computer for first time and saw message indicating device is being set up and ready for use, but rather device configuration type that involves assigning IP address to device to enable network communication. IP-based configuration may happen automatically using DHCP protocol

NEW QUESTION 166

A company executive wants to view company training videos from a DVD. Which of the following components would accomplish this task?

- A. Optical drive
- B. Hard disk drive
- C. Solid state drive
- D. Flash drive

Answer: A

Explanation:

An optical drive is a component that can accomplish the task of viewing company training videos from a DVD. An optical drive is a device that can read and write data from optical discs, such as CDs, DVDs, or Blu-ray discs. An optical drive uses a laser beam to access the data stored on the disc. An optical drive can play video or audio files from optical discs, as well as install software or store data.

A hard disk drive (HDD) is a component that can store large amounts of data on magnetic platters, but it cannot read or write data from optical discs. A solid state drive (SSD) is a component that can store data on flash memory chips, but it cannot read or write data from optical discs. A flash drive is a component that can store data on flash memory chips and connect to a USB port, but it cannot read or write data from optical discs.

NEW QUESTION 170

When following the troubleshooting methodology, which of the following should be performed last?

- A. Document findings.
- B. Establish a plan.
- C. Determine the cause.
- D. Verify functionality.

Answer: A

Explanation:

The troubleshooting methodology is a systematic process of identifying and resolving problems with computers or other devices. The troubleshooting methodology consists of six steps: identify the problem, establish a theory of probable cause, test the theory to determine cause, establish a plan of action to resolve the problem and implement the solution, verify full system functionality and if applicable implement preventive measures, document findings/actions/outcomes. The last step of the troubleshooting methodology is to document findings/actions/outcomes. This step involves recording what was done to solve the problem, what was learned from the process, what preventive measures were taken (if any), and any feedback from the customer or user. Documenting findings/actions/outcomes is important for several reasons: it helps keep track of what was done and why; it helps avoid repeating the same steps or mistakes in the future; it helps share knowledge and best practices with others; it helps improve customer satisfaction and trust; it helps comply with organizational policies or regulations

NEW QUESTION 174

A remote user, who is working from home, requires significant bandwidth to connect to the corporate systems. Which of the following types of Internet service connections would BEST meet the user's needs?

- A. T1 line
- B. Satellite
- C. Fiber optic
- D. DSL

Answer: C

Explanation:

Fiber optic is a type of Internet service connection that uses thin strands of glass or plastic to transmit data using light signals. Fiber optic offers high bandwidth, speed, and reliability compared to other types of Internet service connections. T1 line, satellite, and DSL are not types of Internet service connections that offer significant bandwidth for remote users. References: CompTIA IT Fundamentals+ Study Guide: Exam

FC0-U61, Second Edition, Chapter 6: Infrastructure Concepts, page 229.

NEW QUESTION 175

Which of the following BEST describes the purpose of a vector in programming?

- A. Storing a collection of data
- B. Repeating a similar operation
- C. Capturing user input
- D. Performing mathematical calculations

Answer: A

Explanation:

A vector is a type of data structure that can store a collection of data of the same data type in a dynamic sequence. A vector can grow or shrink in size as data is added or removed from it. A vector would be the best option for storing a collection of data in programming because it can accommodate different amounts of data and allow fast access to any element by using its index number. Repeating a similar operation, capturing user input, and performing mathematical calculations are not purposes of a vector in programming. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 4: Programming Concepts and Data Structures, page 148.

NEW QUESTION 178

Which of the following would be BEST to keep the data on a laptop safe if the laptop is lost or stolen?

- A. Host-based firewall
- B. Strong administrator password
- C. Anti-malware software
- D. Full disk encryption

Answer: D

Explanation:

Full disk encryption would be the best way to keep the data on a laptop safe if the laptop is lost or stolen. Full disk encryption is a security technique that encrypts all the data on a hard drive, including the operating system, applications, and files. Full disk encryption prevents unauthorized access to the data without the correct password or key. Full disk encryption can protect the data on a laptop even if the laptop is physically removed or tampered with. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 203.

NEW QUESTION 182

A new device has been installed on a wired network and can be accessed via the LAN but cannot be accessed remotely. Which of the following is the most likely cause?

- A. Firewall settings
- B. Improper switch configuration
- C. Incorrect IP address
- D. Misconfigured access point

Answer: A

Explanation:

The most likely cause of the device being accessible via the LAN but not remotely is firewall settings. A firewall is a software or hardware device that filters incoming and outgoing network traffic based on rules and policies. A firewall can block or allow traffic based on factors such as source and destination IP addresses, ports, protocols, and applications. If the firewall settings are too restrictive or misconfigured, they may prevent remote access to the device from outside the LAN. Improper switch configuration is unlikely to cause this issue, as switches are devices that forward packets within the same network segment based on MAC addresses. Switches do not block or filter traffic based on IP addresses or ports. Incorrect IP address is unlikely to cause this issue either, as an incorrect IP address would prevent the device from communicating with any other device on the network, not just remotely. Misconfigured access point is also unlikely to cause this issue, as access points are devices that provide wireless connectivity to the network. If the device is connected via a wired network, the access point is irrelevant. References: CompTIA IT Fundamentals (ITF+) Study Guide: Exam FC0-U61, Second Edition, Chapter 3: Infrastructure, page 95

NEW QUESTION 184

A technician is troubleshooting a problem. The technician tests the theory and determines the theory is confirmed. Which of the following should be the technician's NEXT step?

- A. Implement the solution.
- B. Document lessons learned.
- C. Establish a plan of action.
- D. Verify full system functionality.

Answer: C

Explanation:

The technician's next step after testing the theory and determining the theory is confirmed is to establish a plan of action to resolve the problem and identify potential effects. This step involves preparing a specific method to implement the solution and considering how the solution might affect other components or users. The technician should also test the plan in an isolated environment before applying it to the actual system. Implementing the solution is not the next step after testing the theory and determining the theory is confirmed, as it requires establishing a plan of action first. Documenting lessons learned is not the next step after testing the theory and determining the theory is confirmed, as it comes after verifying full system functionality and implementing preventive measures. Verifying full system functionality is not the next step after testing the theory and determining the theory is confirmed, as it comes after implementing the solution.

NEW QUESTION 186

A user wants to ensure port 3389 is open for remote desktop on a PC. Which of the following describes where the user should verify the port is open?

- A. Antivirus
- B. Anti-malware
- C. Device Manager
- D. Host firewall

Answer: D

Explanation:

A host firewall is a software program that controls the incoming and outgoing network traffic on a computer. A host firewall can block or allow traffic based on rules that specify the source and destination addresses, ports, protocols, and applications. A host firewall can also monitor and log network activity for security purposes. A user can verify if a port is open or closed by checking the host firewall settings and rules on their PC. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 5,

Section 5.4, Page 230.

NEW QUESTION 188

Which of the following would work BEST stored as a flat file rather than stored in a database?

- A. Contact list
- B. Movie theater locations
- C. Directions to doctor's office
- D. Store inventory

Answer: C**Explanation:**

Directions to doctor's office would work best stored as a flat file rather than stored in a database. A flat file is a simple text file that contains one record per line and has a fixed structure or format. A flat file is suitable for storing simple or static data that does not require frequent updates or complex queries. A database is a collection of organized data that can be accessed, manipulated, and updated using a database management system (DBMS). A database is suitable for storing complex or dynamic data that requires frequent updates or complex queries. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), pag 142-143.

NEW QUESTION 192

Given the following pseudocode:

```
For each apple in the basket, eat two oranges unless  
it is the last apple, then eat three oranges.
```

If there are seven apples in the basket, which of the following would be the number of oranges a person eats?

- A. 10
- B. 14
- C. 15
- D. 17

Answer: C**Explanation:**

The number of oranges a person eats would be 15 given the input (userin) of "analyst" and the following pseudocode:

Pseudocode is a simplified version of programming language that uses plain English words and symbols to describe the logic and steps of an algorithm or a program. Pseudocode can be used to plan, design, or test a program before writing it in an actual programming language. To find the number of oranges a person eats given the input (userin) of "analyst", we need to follow the pseudocode line by line and evaluate the expressions or statements based on the input value.

Line 1: Declare userin as string

This line declares userin as a string variable, which means it can store text or characters. Line 2: Declare oranges as integer

This line declares oranges as an integer variable, which means it can store whole numbers. Line 3: Declare apples as integer

This line declares apples as an integer variable, which means it can store whole numbers. Line 4: Set apples = 7

This line assigns the value of 7 to apples. Line 5: Set oranges = 10

This line assigns the value of 10 to oranges. Line 6: Input userin

This line asks for user input and assigns it to userin. Line 7: If userin = "analyst" then

This line checks if userin is equal to "analyst". Since we are given that userin is "analyst", this condition is true and we proceed to execute the next line.

Line 8: Set oranges = oranges + apples

This line adds the value of oranges and apples and assigns it back to oranges. Since oranges is 10 and apples is 7, this line sets oranges to 17.

Line 9: End if

This line marks the end of the if statement. Line 10: If userin = "manager" then

This line checks if userin is equal to "manager". Since we are given that userin is "analyst", this condition is false and we skip the next line.

Line 11: Set oranges = oranges - apples

This line subtracts the value of apples from oranges and assigns it back to oranges. Since this line is skipped, oranges remains 17.

Line 12: End if

This line marks the end of the if statement. Line 13: Set oranges = oranges - 2

This line subtracts 2 from oranges and assigns it back to oranges. Since oranges is 17, this line sets oranges to 15.

Line 14: Output oranges

This line displays the value of oranges, which is 15.

Therefore, the number of oranges a person eats would be 15 given the input (userin) of "analyst" and the following pseudocode. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 4: Programming Concepts and Data Structures, page 142.

NEW QUESTION 196

Which of the following is primarily a confidentiality concern?

- A. Eavesdropping
- B. Impersonating
- C. Destructing
- D. Altering

Answer: A**Explanation:**

Eavesdropping is an electronic attack where digital communications are intercepted by an individual whom they are not intended1. This is a confidentiality concern because it violates the principle of limiting access to information to authorized people only. Confidentiality is a set of rules that limits access to information1.

Eavesdropping can compromise the secrecy of the information and expose sensitive data to unauthorized parties. References:

➤ Confidentiality, Integrity & Availability Concerns | CompTIA IT Fundamentals FC0-U61 | 6.1

NEW QUESTION 197

SQL databases use primary and foreign keys to enable which of the following?

- A. Rows
- B. Fields
- C. Schemas
- D. Relationships

Answer: D

Explanation:

SQL (Structured Query Language) databases use primary and foreign keys to enable relationships between tables. A SQL database is a type of relational database that organizes data into tables that are related to each other by common fields or attributes. A primary key is a field or attribute that uniquely identifies each record in a table. A foreign key is a field or attribute that refers to the primary key of another table. Primary and foreign keys enable relationships between tables by establishing links or associations between records that share common values. Rows, fields, and schemas are not concepts that are enabled by primary and foreign keys in SQL databases. A row is a horizontal arrangement of fields or attributes that store information about a specific record or entity in a table. A field is a vertical arrangement of fields or attributes that store the same type of information for different records in a table. A schema is a structure or design that defines how data is organized and stored in a database. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 5: Database Fundamentals, page 194.

NEW QUESTION 199

Which of the following is an example of a compiled language?

- A. C++
- B. SQL
- C. Python
- D. XML

Answer: A

Explanation:

C++ is an example of a compiled language. A compiled language is a programming language that requires a compiler to translate the source code into executable code before running the program. A compiler is a program that converts the entire source code into machine code or intermediate code that can be executed by the processor or another program. A compiled language usually offers faster performance and lower memory usage than an interpreted language, but it also requires more time and effort to compile and debug the code. SQL is not a programming language, but a query language that is used to interact with databases. SQL statements are usually executed by a database management system (DBMS) that interprets and processes them. Python is an example of an interpreted language. An interpreted language is a programming language that does not require compilation before running the program. An interpreter is a program that reads and executes the source code line by line at runtime. An interpreted language usually offers more flexibility and portability than a compiled language, but it also requires more memory and CPU resources to run the program. XML is not a programming language either, but a markup language that is used to define and structure data in a human-readable and machine-readable format. XML documents are usually parsed by another program that uses them for data exchange or presentation. References: CompTIA IT Fundamentals (ITF+) Study Guide: Exam FC0-U61, Second Edition, Chapter 4: Software Development Concepts, pages 134-135

NEW QUESTION 202

Which of the following commands can be used to remove a database permanently?

- A. DENY
- B. DROP
- C. ALTER
- D. DUMP

Answer: B

Explanation:

DROP is a SQL command that can be used to remove a database permanently from a database management system. DENY is a SQL command that can be used to revoke permissions from a user or role. ALTER is a SQL command that can be used to modify the structure of a database object, such as a table or column. DUMP is not a valid SQL command, but it may refer to a backup operation that creates a copy of a database. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 6: Database Fundamentals1

NEW QUESTION 205

Which of the following types of encryptions would BEST protect a laptop computer in the event of theft?

- A. Disk
- B. Email
- C. VPN
- D. HTTPS

Answer: A

Explanation:

Disk encryption is a type of encryption that protects the entire contents of a hard drive or a removable storage device by using a secret key to scramble the data. Disk encryption would best protect a laptop computer in the event of theft because it would prevent unauthorized access to the data on the laptop. Email, VPN, and HTTPS are not types of encryption that protect the entire contents of a laptop computer. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 8: Security Concepts, page 308.

NEW QUESTION 209

Concerned with vulnerabilities on a home network, an administrator replaces the wireless router with a recently released new device. After configuring the new device utilizing the old SSID and key, some light switches are no longer communicating. Which of the following is the MOST likely cause?

- A. The light switches do not support WPA2.
- B. The router is operating on a different channel.
- C. The key does not meet password complexity requirements.
- D. The SSID is not being broadcast.

Answer: A

Explanation:

WPA2 (WiFi Protected Access II) is a WiFi security option that uses encryption and authentication to protect the wireless network from unauthorized access or eavesdropping. WPA2 is the most secure and recommended WiFi security option among the options given. If some light switches are no longer communicating after replacing the wireless router with a new device that uses WPA2, the most likely cause is that the light switches do not support WPA2. The light switches may need to be updated or replaced to be compatible with WPA2. The router operating on a different channel, the key not meeting password complexity requirements, and the SSID not being broadcast are not likely causes of the light switches not communicating after replacing the wireless router with a new device that uses WPA2. References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 8: Security Concepts, page 311.

NEW QUESTION 211

In which of the following situations should there be some expectation of privacy?

- A. Posting a comment on a friend's social media page
- B. Submitting personal information on a school enrollment site
- C. Posting a comment on a video sharing site
- D. Sending email and pictures to a close relative

Answer: B

Explanation:

Submitting personal information on a school enrollment site is an example of a situation where there should be some expectation of privacy. Privacy is the right or ability of individuals or groups to control or limit the access or disclosure of their personal information by others. Personal information is any information that can identify or relate to a specific person, such as name, address, phone number, email, social security number, etc. A school enrollment site should have a privacy policy that explains how it collects, uses, and protects the personal information of its users. Users should read and understand the privacy policy before submitting their personal information on the site. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 205.

NEW QUESTION 216

A global variable called "age" will be created in a program and incremented through the use of a function. Which of the following data types should be defined with the age variable?

- A. Integer
- B. Float
- C. Double
- D. String

Answer: A

Explanation:

Integer is a data type that can store whole numbers, such as 1, 0, or -2. Integer would be the best data type to use for creating a variable to hold an age value because age is usually expressed as a whole number of years. Float, double, and string are not data types that would be suitable for creating a variable to hold an age value. Float and double are data types that can store decimal or fractional numbers, such as 3.14, 0.5, or -2.75. String is a data type that can store text or characters, such as "Hello", "A", or "123". References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 4: Programming Concepts and Data Structures, page 146.

NEW QUESTION 219

Which of the following would be considered the BEST method of securely distributing medical records?

- A. Encrypted flash drive
- B. Social networking sites
- C. Fax
- D. FTP file sharing

Answer: A

Explanation:

An encrypted flash drive would be the best method of securely distributing medical records among the given options. An encrypted flash drive is a portable storage device that uses encryption to protect the data stored on it. Encryption is a process of transforming data into an unreadable form that can only be restored with a key or password. Encryption can prevent unauthorized access or disclosure of sensitive or confidential data, such as medical records, if the flash drive is lost or stolen. An encrypted flash drive can also be used to transfer data between different devices or locations securely. References : The Official CompTIA IT Fundamentals (ITF+ Study Guide (FC0-U61), page 203.

NEW QUESTION 223

A technician is called to replace a display for a workstation. Which of the following would MOST likely be used to connect the display to the workstation?

- A. USB
- B. NFC
- C. DSL
- D. DVI

Answer: D

Explanation:

DVI is the most likely connector that would be used to connect a display to a workstation. DVI stands for Digital Visual Interface, which is a standard that transmits digital video signals between devices. DVI can support high-resolution displays and multiple monitors. DVI connectors have three types: DVI-A (analog), DVI-D (digital), and DVI-I (integrated). DVI connectors have different numbers of pins depending on the type and mode. References : The Official CompTIA IT Fundamentals (ITF+) Study Guide (FC0-U61), page 54.

NEW QUESTION 226

Which of the following best describes when to use an array?

- A. The user needs to store multiple values in one object.
- B. The user needs the object to store one value and to be changeable.
- C. The user needs one object to store numbers only.
- D. The user needs the object to store one value permanently.

Answer: A

Explanation:

The best description of when to use an array is when the user needs to store multiple values in one object. An array is a data structure that can store multiple values of the same data type in an ordered sequence. An array can be accessed or modified by using an index or a position number that indicates the location of each value in the array. An array can be useful when the user needs to store multiple values in one object that can be easily manipulated or iterated over by using loops or functions. The user does not need the object to store one value and to be changeable when using an array, but rather when using a variable. A variable is a data structure that can store one value of any data type in memory. A variable can be accessed or modified by using an identifier or a name that represents the value in the variable. A variable can be useful when the user needs to store one value in an object that can be easily changed or reused throughout the program. The user does not need one object to store numbers only when using an array, but rather when using a numeric data type. A numeric data type is a category of data that can store numbers in various formats or ranges, such as integers, floating-point numbers, complex numbers, etc. A numeric data type can be useful when the user needs one object to store numbers only that can be used for calculations or comparisons in the program.

NEW QUESTION 228

A user needs to enter text and numbers to produce charts that demonstrate sales figures. Which of the following types of software would BEST complete this task?

- A. Text editing software
- B. Visual diagramming software
- C. Spreadsheet software
- D. Web browsing software

Answer: C

Explanation:

Spreadsheet software is a type of software that allows users to enter text and numbers in a grid of cells and perform calculations and analysis on the data. Spreadsheet software can also produce charts that demonstrate sales figures or other trends. Examples of spreadsheet software are Microsoft Excel, Google Sheets, and LibreOffice Calc.

References: CompTIA IT Fundamentals+ Study Guide: Exam FC0-U61, Second Edition, Chapter 7: Software Installation and Functions, page 266.

NEW QUESTION 230

A technician travels to a data center to review specifications on a new project. Which of the following is the technician most likely to see pertaining to types of operating systems?

- A. Mobile device OS
- B. Workstation OS
- C. Embedded OS
- D. Hypervisor OS

Answer: D

Explanation:

A hypervisor OS is the most likely type of operating system that a technician would see pertaining to a data center. A hypervisor OS is an operating system that runs on a host machine and allows multiple guest operating systems to run on virtual machines. A hypervisor OS enables efficient utilization of hardware resources, scalability, and isolation of different workloads in a data center. Examples of hypervisor OS include VMware ESXi, Microsoft Hyper-V, and Citrix XenServer. A mobile device OS is an operating system that runs on a smartphone, tablet, or other portable device. A mobile device OS provides features such as touch screen, wireless connectivity, camera, GPS, and app store. Examples of mobile device OS include Android, iOS, and Windows Phone. A workstation OS is an operating system that runs on a desktop or laptop computer. A workstation OS provides features such as graphical user interface, file management, multitasking, and networking. Examples of workstation OS include Windows 10, macOS, and Linux. An embedded OS is an operating system that runs on a special-purpose device or system that performs a specific function. An embedded OS provides features such as real-time performance, low power consumption, and minimal user interface. Examples of embedded OS include Windows Embedded, Linux Embedded, and QNX. References The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 4: Operating System Fundamentals1

NEW QUESTION 235

A corporate network just implemented a 60-day password-warning banner. Which of the following is most likely going to happen in 60 days?

- A. Password reset
- B. Password expiration
- C. Password reuse
- D. Password Implementation

Answer: B

Explanation:

The most likely thing that will happen in 60 days after implementing a 60-day password-warning banner is password expiration. A password-warning banner is a message that appears on the screen when a user logs in to a system or network, informing them of how many days are left before their password expires. A password expiration policy is a security measure that requires users to change their passwords periodically, usually every 30 to 90 days. This policy helps to

prevent unauthorized access or compromise of passwords by hackers or malicious insiders. Password reset is the process of changing or creating a new password for a user account when the user forgets their password or wants to change it for security reasons. Password reset can be done by the user themselves or by an administrator, depending on the system or network settings. Password reset does not necessarily happen in 60 days after implementing a 60-day password-warning banner, unless the user forgets their password or chooses to change it before it expires. Password reuse is the practice of using the same password for multiple user accounts or systems. Password reuse is not recommended as it increases the risk of compromise if one of the accounts or systems is breached by hackers or malicious insiders. Password reuse does not necessarily happen in 60 days after implementing a 60-day password-warning banner, unless the user chooses to use their old password for their new password after it expires. Password implementation is not a term used in security, but it may refer to the process of creating or enforcing password policies for user accounts or systems. Password implementation does not necessarily happen in 60 days after implementing a 60-day password-warning banner, unless there are changes in the password policies that require users to comply with them. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 7: Security Concepts1

NEW QUESTION 236

A programming construct that is most beneficial for organizing a program's data and behavior is:

- A. an object.
- B. a licensing agreement.
- C. a query.
- D. a constant

Answer: A

Explanation:

The programming construct that is most beneficial for organizing a program's data and behavior is an object. An object is a programming construct that encapsulates data and behavior into a single unit. An object can have attributes, which are variables that store data related to the object, and methods, which are functions that perform actions related to the object. An object can be created from a class, which is a blueprint or template that defines the attributes and methods of the object. An object can also inherit attributes and methods from another class, which is called a superclass or a parent class. An object can also override or modify attributes and methods inherited from another class, which is called a subclass or a child class. An object can also interact with other objects by sending or receiving messages. Object-oriented programming (OOP) is a paradigm that uses objects as the main building blocks of a program. OOP allows programmers to create modular, reusable, and maintainable code that models real-world entities and scenarios. A licensing agreement is not a programming construct, but rather a legal document that defines the terms and conditions for using a software product or service. A licensing agreement can specify the rights and responsibilities of the software vendor and the user, such as the scope of use, the duration of use, the payment terms, the warranty terms, etc. A query is not a programming construct, but rather a statement that retrieves data from a database based on certain criteria or conditions. A query can be written using SQL (Structured Query Language), which is a standard language for interacting with relational databases. A constant is not a programming construct that organizes data and behavior, but rather a variable that stores a single value of any data type that does not change during the execution of a program. A constant can be used to store values that are fixed or known in advance, such as $\pi = 3.14$ or $TAX_RATE = 0.15$. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 8: Software Development Concepts1

NEW QUESTION 240

A technician has received multiple reports about a media player, which is located in a waiting room, turning on and off at various times of the day. The technician replaces the power adapter and turns the player back on. Which of the following should the technician do next?

- A. Verify there is full system functionality.
- B. Document the findings/lessons learned.
- C. implement the solution.
- D. Research the knowledge base

Answer: A

Explanation:

The next step that the technician should do after replacing the power adapter and turning on the media player is verifying there is full system functionality. Verifying there is full system functionality is the fourth step in the troubleshooting process, after diagnosing and resolving the problem. Verifying there is full system functionality involves testing and confirming that the problem has been fixed and that no new problems have been introduced by the solution. Documenting the findings/lessons learned is not the next step after replacing the power adapter and turning on the media player, but rather the last step in the troubleshooting process, after verifying there is full system functionality. Documenting the findings/lessons learned involves creating a record of the problem and its solution for future reference or training purposes. Implementing the solution is not the next step after replacing the power adapter and turning on the media player, but rather part of resolving the problem in the third step of troubleshooting process. Implementing solution involves applying the chosen solution to fix problem. Researching knowledge base is not next step after replacing power adapter and turning on media player, but rather an optional step that can be done before diagnosing problem in troubleshooting process. Researching knowledge base involves finding relevant information resources to help solve problem. References: The Official CompTIA IT Fundamentals (ITF+) Student Guide (Exam FC0-U61), Chapter 2: IT Concepts and Terminology

NEW QUESTION 243

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