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QUESTIONS & ANSWERS
DEMO VERSION
(LIMITED CONTENT)

Question 1

Question Type: MultipleChoice

Which of the following best describes the method used to combine files, software, and libraries for use on various operating systems and environments?

Options:

- A- Package manager
- B- Code repository
- C- Virtual machine
- D- Containerization

Answer:

D

Explanation:

This question pertains to the Data Concepts and Environments domain, focusing on methods for managing software and data environments. The task is to identify a method that combines files, software, and libraries for use across different systems.

Package manager (Option A): Package managers (e.g., npm) manage software dependencies but don't combine files and libraries for cross-system use.

Code repository (Option B): Code repositories (e.g., GitHub) store code but don't package it for deployment across environments.

Virtual machine (Option C): Virtual machines emulate entire operating systems, which is heavier than needed for combining files and libraries.

Containerization (Option D): Containerization (e.g., Docker) packages files, software, and libraries into a container that can run consistently across different operating systems and environments, making it the best choice.

The DA0-002 Data Concepts and Environments domain includes understanding 'data environments,' and containerization is a standard method for ensuring consistency across systems.

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Question 2

Question Type: MultipleChoice

A user needs a report that shows the main causes of customer churn rate in a three-year period. Which of the following methods provides this information?

Options:

- A- Inferential
- B- Descriptive
- C- Prescriptive
- D- Predictive

Answer:

B

Explanation:

This question falls under the Data Analysis domain, focusing on analytical methods for reporting. The task is to identify the causes of customer churn over three years, which involves analyzing historical data.

Inferential (Option A): Inferential statistics make predictions or generalizations about a population, not focused on identifying causes in historical data.

Descriptive (Option B): Descriptive analytics summarizes historical data to identify patterns and causes (e.g., reasons for churn), which fits the task.

Prescriptive (Option C): Prescriptive analytics provides recommendations, which goes beyond identifying causes.

Predictive (Option D): Predictive analytics forecasts future outcomes, not focused on historical causes.

The DA0-002 Data Analysis domain includes 'applying the appropriate descriptive statistical methods,' and descriptive analytics is best for identifying causes in historical data.

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Question 3

Question Type: MultipleChoice

A company's entire server environment is located at the company's headquarters. Which of the following describes this type of environment?

Options:

A- Cloud

B- On-premises

C- Public

D- Hybrid

Answer:

B

Explanation:

This question pertains to the Data Concepts and Environments domain, focusing on types of server environments. The servers are located at the company's headquarters, indicating a specific deployment model.

Cloud (Option A): Cloud environments are hosted off-site by third-party providers, not at headquarters.

On-premises (Option B): On-premises environments are located at the company's physical location (e.g., headquarters), which matches the scenario.

Public (Option C): Public environments are cloud-based and shared across multiple organizations, not located at headquarters.

Hybrid (Option D): Hybrid environments combine on-premises and cloud, but the scenario specifies all servers are at headquarters.

The DA0-002 Data Concepts and Environments domain includes understanding 'data environments,' and on-premises describes a server environment located at the company's site.

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Question 4

Question Type: MultipleChoice

A data analyst learns that a report detailing employee sales is reflecting sales only for the current month. Which of the following is the most likely cause?

Options:

- A- Lack of permissions
- B- An error in SQL code
- C- Report refresh failure
- D- Connectivity issues

Answer:

B

Explanation:

This question falls under the Data Analysis domain, focusing on troubleshooting issues in data reports. The report should show all employee sales but is limited to the current month, suggesting a data retrieval issue.

Lack of permissions (Option A): Permissions issues would likely prevent access entirely, not limit data to the current month.

An error in SQL code (Option B): The report likely uses an SQL query to retrieve data, and an error (e.g., a WHERE clause filtering for the current month) could restrict the data to the current month, making this the most likely cause.

Report refresh failure (Option C): A refresh failure would result in outdated data, not specifically current-month data.

Connectivity issues (Option D): Connectivity issues would likely prevent the report from running, not limit it to a specific time frame.

The DA0-002 Data Analysis domain includes 'applying the appropriate descriptive statistical methods using SQL queries,' and errors in SQL code are a common cause of incorrect data retrieval in reports.

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Question 5

Question Type: MultipleChoice

While interacting with a data set, a data analyst learns that copies of the data are distributed across

several data repositories around the globe. Which of the following concepts best describes this practice?

Options:

- A- Redundancy
- B- High availability
- C- Replication
- D- Duplication

Answer:

C

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