



CompTIA

Exam Questions DA0-002

CompTIA Data+ Exam (2025)

NEW QUESTION 1

A data analyst encounters an issue with new software and a code that they are using. The analyst includes print statements in the code to try to identify the issue, without success. An informal peer review of the code also produces the same result. The analyst confirms that the software is updated to the latest version and compatible with the code. Which of the following troubleshooting steps should the analyst take next?

- A. Use the old software and preexisting code, since both were functional.
- B. Contact the IT department and inform them that the software has a bug.
- C. Escalate to the department manager and ask for assistance.
- D. Research the issue online and see if a solution is available.

Answer: D

Explanation:

This question pertains to the Data Governance domain, focusing on troubleshooting and maintaining data quality in software processes. The analyst has already tried basic debugging and confirmed compatibility, so the next step involves seeking external resources.

? Use the old software and preexisting code, since both were functional (Option A):

Reverting to old software avoids solving the issue and may introduce other risks (e.g., security vulnerabilities).

? Contact the IT department and inform them that the software has a bug (Option B):

Assuming a bug without further investigation is premature, especially since compatibility was confirmed.

? Escalate to the department manager and ask for assistance (Option C): Escalation

is a later step after exhausting technical troubleshooting options.

? Research the issue online and see if a solution is available (Option D): Researching online (e.g., forums, documentation) is a logical next step to find solutions or identify known issues, especially after local debugging fails.

The DA0-002 Data Governance domain includes "data quality control concepts," and researching online is a standard troubleshooting step to maintain data process integrity. Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 5.0 Data Governance.

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NEW QUESTION 2

A data analyst created a dashboard to illustrate the traffic volume and mean response time for a call center. The traffic data is current, but the mean response time has not updated for more than an hour. Which of the following is the best way to verify the data's freshness?

- A. Refactoring the code base
- B. Testing for network connectivity issues
- C. Checking the last time the calculation script ran
- D. Determining the number of calls with no timestamps

Answer: C

Explanation:

This question pertains to the Data Governance domain, which in DA0-002 includes ensuring data quality and freshness, especially in dashboards. The issue is that the mean response time isn't updating, while traffic data is current, indicating a potential issue with the data refresh process for the response time metric.

? Refactoring the code base (Option A): Refactoring might improve long-term

performance but doesn't directly address verifying data freshness.

? Testing for network connectivity issues (Option B): Network issues could cause delays, but since traffic data is updating, connectivity is likely not the issue.

? Checking the last time the calculation script ran (Option C): Mean response time is a calculated metric, likely derived from a script. Checking when the script last ran directly verifies if the data refresh process failed, making this the best approach.

? Determining the number of calls with no timestamps (Option D): Missing timestamps might indicate data quality issues, but it doesn't directly verify why the mean response time isn't updating.

The DA0-002 Data Governance domain focuses on "data quality control concepts," including ensuring data freshness in reporting. Checking the script's last run time aligns with this objective.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 5.0 Data Governance.

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NEW QUESTION 3

Which of the following best represents a type of infrastructure that requires a company to purchase and maintain all of its own servers?

- A. Private
- B. Cloud
- C. Hybrid
- D. Public

Answer: A

Explanation:

This question pertains to the Data Concepts and Environments domain, focusing on types of server infrastructure. The task is to identify an infrastructure where a company owns and maintains all servers.

? Private (Option A): A private infrastructure (often on-premises) means the

company owns and maintains its own servers, typically in a private data center, which matches the requirement.

? Cloud (Option B): Cloud infrastructure is managed by third-party providers, not owned by the company.

? Hybrid (Option C): Hybrid combines on-premises and cloud, so not all servers are owned by the company.

? Public (Option D): Public infrastructure is a cloud model shared across multiple organizations, not owned by the company.

The DA0-002 Data Concepts and Environments domain includes understanding "data environments," and a private infrastructure requires the company to purchase and maintain its own servers.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 1.0 Data Concepts and Environments.

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NEW QUESTION 4

A data analyst needs to provide a weekly sales report for the Chief Financial Officer. Which of the following delivery methods is the most appropriate?

- A. A granular daily report in a dashboard
- B. A detailed text document
- C. A spreadsheet with raw data
- D. A high-level email

Answer: D

Explanation:

This question pertains to the Visualization and Reporting domain, focusing on report delivery methods for a specific audience. The Chief Financial Officer (CFO) needs a weekly sales report, suggesting a concise, executive-level summary.

? A granular daily report in a dashboard (Option A): Daily granularity is too frequent for a weekly report, and a dashboard might be too interactive for a CFO's needs.

? A detailed text document (Option B): A detailed document is too lengthy for a CFO, who typically needs a summary.

? A spreadsheet with raw data (Option C): Raw data requires further analysis, which isn't appropriate for an executive-level report.

? A high-level email (Option D): A high-level email provides a concise summary of weekly sales, tailored for an executive like a CFO, making it the most appropriate delivery method.

The DA0-002 Visualization and Reporting domain emphasizes "translating business requirements to form the appropriate visualization," and a high-level email is best for delivering a weekly summary to a CFO.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 4.0 Visualization and Reporting.

NEW QUESTION 5

A company has a document that includes the names of key metrics and the standard for how those metrics are calculated company-wide. Which of the following describes this documentation?

- A. Data dictionary
- B. Data explainability report
- C. Data lineage
- D. Data flow diagram

Answer: A

Explanation:

This question falls under the Data Concepts and Environments domain, which involves understanding documentation types related to data management. The document describes key metrics and their calculation standards, which points to a specific type of metadata documentation.

? Data dictionary (Option A): A data dictionary defines data elements, including metrics, their meanings, and calculation methods, ensuring consistency across the organization. This matches the description.

? Data explainability report (Option B): This term is more associated with AI/ML, explaining model decisions, not metric definitions.

? Data lineage (Option C): Data lineage tracks the flow of data through systems, not metric definitions or calculations.

? Data flow diagram (Option D): A data flow diagram visualizes data processes, not metric standards.

The DA0-002 Data Concepts and Environments domain includes understanding "basic concepts of data schemas and dimensions", and a data dictionary is a foundational tool for defining metrics.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 1.0 Data Concepts and Environments

NEW QUESTION 6

A data analyst is working on an initial analysis of the dataset in the following table:

DateTime	Count
2024-01-01	12
2024-01-02	245
2024-01-02	13
2024-01-03	13
2024-01-03	12
00:00:00	12

Which of the following issues should the analyst flag in the data report?

- A. Completeness
- B. Outlier
- C. Mismatch
- D. Duplication

Answer: B

Explanation:

This question falls under the Data Analysis domain, focusing on identifying data quality issues. The table shows counts over time, and the analyst needs to flag an issue in the data.

? Completeness (Option A): Completeness refers to missing data, but all rows have values for DateTime and Count.

? Outlier (Option B): The count of 245 on 2024-01-02 is significantly higher than other counts (12-13), indicating an outlier that should be investigated for accuracy.

? Mismatch (Option C): Mismatch implies inconsistent data types or formats, but the DateTime and Count columns appear consistent except for the last row (addressed separately).

? Duplication (Option D): Duplication refers to identical rows, but no rows are identical (same DateTime and Count).

The last row ("00:00:00", 12) has a formatting issue, but the most significant issue for analysis is the outlier (245), as it could skew results. The DA0-002 Data Analysis domain includes "applying the appropriate descriptive statistical methods," such as identifying outliers in datasets.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 3.0 Data Analysis.

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NEW QUESTION 7

A data analyst creates a report, and some of the fields are empty. Which of the following conditions should the analyst add to a query to provide a list of all the records with empty fields?

- A. WHERE [ColumnName] = NULL
- B. WHERE [ColumnName] IS NULL
- C. WHERE [ColumnName] IS NOT NULL
- D. WHERE [ColumnName] = 'NULL'

Answer: B

Explanation:

This question falls under the Data Analysis domain, focusing on SQL queries to identify data issues. The task is to find records with empty fields, which in SQL means NULL values.

? WHERE [ColumnName] = NULL (Option A): In SQL, NULL cannot be compared using "="; this syntax is incorrect.

? WHERE [ColumnName] IS NULL (Option B): This is the correct SQL syntax to identify NULL values, which represent empty fields.

? WHERE [ColumnName] IS NOT NULL (Option C): This finds non-empty fields, the opposite of the requirement.

? WHERE [ColumnName] = 'NULL' (Option D): This checks for the string "NULL," not a true NULL value, which is incorrect.

The DA0-002 Data Analysis domain includes "applying the appropriate descriptive statistical methods using SQL queries," such as identifying NULL values with IS NULL. Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 3.0 Data Analysis.

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NEW QUESTION 8

A data analyst is generating a custom report for a Chief Executive Officer's executive meeting. Later, the analyst learns that other custom reports will be required for future executive meetings. Which of the following delivery methods should the analyst use?

- A. Ad hoc
- B. Real-time
- C. Recurring
- D. Self-service

Answer: C

Explanation:

This question falls under the Visualization and Reporting domain of DA0-002, which involves selecting appropriate delivery methods for reports. The scenario describes a need for custom reports for future executive meetings, implying a scheduled, repeated delivery.

? Ad hoc (Option A): Ad hoc reports are generated on-demand for one-time use, not suitable for ongoing needs.

? Real-time (Option B): Real-time delivery provides live data updates, which isn't necessary for scheduled executive meetings.

? Recurring (Option C): Recurring delivery involves scheduling reports to be generated and delivered at regular intervals (e.g., weekly or monthly), which fits the need for future executive meetings.

? Self-service (Option D): Self-service allows users to generate reports themselves, but the scenario implies the analyst will create the reports.

The DA0-002 Visualization and Reporting domain includes understanding "the appropriate visualization in the form of a report" with delivery methods, and recurring delivery aligns with scheduled reporting needs.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 4.0 Visualization and Reporting

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NEW QUESTION 9

Which of the following data repositories stores unformatted data in its original, raw form?

- A. Data warehouse
- B. Data silo
- C. Data mart
- D. Data lake

Answer: D

Explanation:

This question pertains to the Data Concepts and Environments domain, focusing on data repositories. The task is to identify a repository that stores raw, unformatted data.

? Data warehouse (Option A): A data warehouse stores structured, processed data in a predefined schema, not raw data.

? Data silo (Option B): A data silo is an isolated repository, often structured, not designed for raw data storage.

? Data mart (Option C): A data mart is a subset of a data warehouse, also storing structured data.

? Data lake (Option D): A data lake stores raw, unformatted data in its original format (structured, semi-structured, or unstructured), making it the correct choice.

The DA0-002 Data Concepts and Environments domain includes understanding "different types of databases and data repositories," and a data lake is designed for raw data storage.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 1.0 Data Concepts and Environments.

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NEW QUESTION 10

A report triggers an error that prevents information from being displayed. However, the report was functional before a database upgrade. Which of the following should a data analyst do first to troubleshoot the problem?

- A. Ensure the system has permissions for the report service.
- B. Change the report's refresh rate.
- C. Verify the connection to the database.
- D. Check whether the data structures were modified.

Answer: C

Explanation:

This question falls under the Data Concepts and Environments domain, which in DA0-002 involves understanding database environments, connections, and troubleshooting issues related to data access. The scenario describes a report failing after a database upgrade, indicating a potential issue with the database environment or connectivity.

? Ensure the system has permissions for the report service (Option A): While permissions issues can cause report failures, they are less likely to be the first issue after a database upgrade unless explicitly mentioned.

? Change the report's refresh rate (Option B): Refresh rate adjustments might address performance issues but won't resolve a fundamental error preventing data display.

? Verify the connection to the database (Option C): A database upgrade often involves changes to connection strings, drivers, or network configurations. Verifying the connection ensures the report can access the database, making this the most logical first step.

? Check whether the data structures were modified (Option D): While possible, checking data structures (e.g., schema changes) is a deeper troubleshooting step that should follow after confirming basic connectivity.

The DA0-002 Data Concepts and Environments domain includes understanding database connectivity, similar to DA0-001's focus on "data schemas and dimensions" and environments (web ID: 1). Verifying the connection is the first recommended step in troubleshooting post-upgrade issues.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 1.0 Data Concepts and Environments

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NEW QUESTION 10

Before distributing a report, a marketing analyst notices that the total distinct promotional email messages is less than the combined total of emails sent. Which of the following is the most likely reason for this difference?

- A. The aggregation did not include all emails.
- B. Some emails were not delivered.
- C. The report failed to run properly.
- D. A recipient received duplicate emails.

Answer: D

Explanation:

This question falls under the Data Analysis domain, focusing on analyzing discrepancies in data reports. The total distinct messages are fewer than the total emails sent, indicating a specific issue.

? The aggregation did not include all emails (Option A): If the aggregation missed emails, the total sent would be lower, not the distinct count.

? Some emails were not delivered (Option B): Undelivered emails would reduce the total sent, but the scenario implies the total sent is accurate.

? The report failed to run properly (Option C): A report failure would likely cause broader issues, not a specific discrepancy between distinct and total counts.

? A recipient received duplicate emails (Option D): If recipients received duplicates, the total emails sent would be higher than the distinct messages (unique email content), explaining the difference.

The DA0-002 Data Analysis domain includes "applying the appropriate descriptive statistical methods," and identifying duplicates is a common analysis task to explain such discrepancies.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 3.0 Data Analysis.

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NEW QUESTION 15

A data analyst is creating a forecast for a product line introduced early last year. Which of the following should the analyst use to create projected sales and customer satisfaction for next year?

- A. Standard deviation and constraints
- B. Mean and median
- C. Boolean data and an array
- D. Numerical and ordinal attributes

Answer: D

Explanation:

This question pertains to the Data Analysis domain, focusing on data types and methods for forecasting. The task involves projecting sales (numerical) and customer satisfaction (likely ordinal, e.g., ratings), requiring appropriate data attributes.

? Standard deviation and constraints (Option A): Standard deviation measures data spread, and constraints are conditions, neither of which directly supports forecasting.

? Mean and median (Option B): Mean and median are descriptive statistics, not sufficient for forecasting future values.

? Boolean data and an array (Option C): Boolean data (true/false) and arrays (data structures) are not relevant for forecasting sales and satisfaction.

? Numerical and ordinal attributes (Option D): Sales are numerical (e.g., units sold), and customer satisfaction is often ordinal (e.g., 1-5 ratings). These attributes are suitable for forecasting models (e.g., time-series analysis for sales, regression for satisfaction).

The DA0-002 Data Analysis domain includes "applying the appropriate descriptive statistical methods," and numerical and ordinal attributes are key for forecasting sales and satisfaction.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 3.0 Data Analysis.

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NEW QUESTION 16

Which of the following allows a data analyst to send out a spreadsheet containing sensitive information without revealing personal details?

- A. Using a UUID in the data file
- B. Redacting all PII
- C. Adding access controls to the ID column
- D. Encrypting the spreadsheet

Answer: B

Explanation:

This question pertains to the Data Governance domain, focusing on data privacy and security. The task is to share a spreadsheet with sensitive information while protecting personal details.

? Using a UUID in the data file (Option A): A UUID (Universally Unique Identifier)

can anonymize records, but if other PII (e.g., names) remains, personal details are still exposed.

? Redacting all PII (Option B): Redacting personally identifiable information (PII)

removes sensitive details (e.g., names, addresses), ensuring personal information isn't revealed while sharing the spreadsheet.

? Adding access controls to the ID column (Option C): Access controls limit who can

view the data, but the question focuses on the spreadsheet content itself, not access.

? Encrypting the spreadsheet (Option D): Encryption protects the file during

transmission, but once opened, personal details are still visible unless redacted. The DA0-002 Data Governance domain includes "data privacy concepts," and

redacting PII is the most direct method to protect personal details in a shared spreadsheet.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 5.0 Data Governance.

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NEW QUESTION 20

Which of the following data repositories stores unaltered data?

A. Data lake

B. Data warehouse

C. Data table

D. Data factory

Answer: A

Explanation:

This question falls under the Data Concepts and Environments domain, focusing on data repositories. The task is to identify a repository that stores data in its original, unaltered form.

? Data lake (Option A): A data lake stores raw, unaltered data in its native format (structured, semi-structured, or unstructured), making it the correct choice.

? Data warehouse (Option B): A data warehouse stores processed, structured data, often transformed for analysis, not unaltered.

? Data table (Option C): A data table is a structure within a database, not a repository, and may contain altered data.

? Data factory (Option D): A data factory (e.g., Azure Data Factory) is a data integration service, not a repository for storing data.

The DA0-002 Data Concepts and Environments domain includes understanding "different types of databases and data repositories," and a data lake is designed to store unaltered data.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 1.0 Data Concepts and Environments.

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NEW QUESTION 24

A company wants to limit an employee's access to a production environment. Which of the following access control practices is the best to implement?

A. Mandatory

B. Time-based

C. Attribute-based

D. Role-based

Answer: D

Explanation:

This question falls under the Data Governance domain, focusing on access control practices for data security. The task is to limit an employee's access to a production environment, requiring a structured approach.

? Mandatory (Option A): Mandatory access control (MAC) uses strict, system-

enforced rules (e.g., military settings), but it's overly rigid for most companies.

? Time-based (Option B): Time-based access limits access to specific times, which doesn't address general production environment access.

? Attribute-based (Option C): Attribute-based access control (ABAC) uses attributes (e.g., department, location), but it's complex and not the simplest solution.

? Role-based (Option D): Role-based access control (RBAC) assigns permissions based on the employee's role, ensuring they only access what's needed for their job, making it the best practice for limiting production access.

The DA0-002 Data Governance domain includes "data privacy concepts," and role-based access control is a widely adopted practice for limiting access in production environments. Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 5.0 Data Governance.

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NEW QUESTION 26

A data analyst is analyzing the following dataset:

Transaction Date Quantity

Item

Item Price

12/12/12

11

USB Cords 9.99

11/11/11

3

Charging Block

8.89

10/10/10

5

Headphones

50.15

Which of the following methods should the analyst use to determine the total cost for each transaction?

- A. Parsing
- B. Scaling
- C. Compressing
- D. Deriving

Answer: D

Explanation:

This question falls under the Data Analysis domain, focusing on calculating new values from existing data. The task is to determine the total cost per transaction, which involves multiplying Quantity by Item Price.

? Parsing (Option A): Parsing involves breaking down data (e.g., splitting a string), not calculating totals.

? Scaling (Option B): Scaling adjusts numerical values to a common range (e.g., normalization), not relevant for calculating totals.

? Compressing (Option C): Compressing reduces data size, not applicable to calculating costs.

? Deriving (Option D): Deriving involves creating new data fields by performing calculations on existing ones (e.g., Total Cost = Quantity * Item Price), which fits the task.

The DA0-002 Data Analysis domain includes "applying the appropriate descriptive statistical methods," such as deriving new fields through calculations to analyze data. Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 3.0 Data Analysis.

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NEW QUESTION 27

A data analyst needs to create a combined report that includes information from the following two tables:

Managers table

ID

First_name Last_name Job_title 1001

John Doe Manager 1002

Jane Roe Director

Non-managers table ID

First_name Last_name Job_title 1003

Robert Roe

Business Analyst 1004

Jane Doe

Sales Representative 1005

John Roe

Operations Analyst

Which of the following query methods should the analyst use for this task?

- A. Group
- B. Join
- C. Union
- D. Nested

Answer: C

Explanation:

This question pertains to the Data Acquisition and Preparation domain, focusing on combining data from two tables. Both tables have the same structure (ID, First_name, Last_name, Job_title) and contain employee data, suggesting the task is to create a single list of all employees.

? Group (Option A): Grouping (e.g., GROUP BY in SQL) is for aggregation (e.g., counting employees by job title), not combining tables into a single report.

? Join (Option B): Joining tables (e.g., INNER JOIN) requires a common key and combines tables horizontally, but there's no indication of a relationship between the tables (e.g., no shared key beyond ID, which isn't linked).

? Union (Option C): UNION combines the rows of two tables with the same structure into a single result set, removing duplicates, which is ideal for creating a combined report of all employees from both tables.

? Nested (Option D): Nested queries (e.g., subqueries) are used for complex filtering, not for combining tables into a single list.

The DA0-002 Data Acquisition and Preparation domain includes "executing data manipulation," and UNION is the best method for combining two tables with identical structures into a single report.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 2.0 Data Acquisition and Preparation.

NEW QUESTION 28

A data analyst receives the following sales data for a convenience store:

Item	Quantity	Price
Chocolate Bars	7	\$1.99
Vanilla Ice Bars	2	\$4.99
Chocolate Wafers	6	\$0.99
Peanut Butter	2	\$2.99
Cups	3	\$4.99
Strawberry Jam	3	\$4.99
Chocolate Cake	9	\$6.99
Milk Chocolate	2	\$2.99
Almonds	5	\$2.99

The analyst needs to provide information on the products that contain chocolate. Which of the following RegEx should the analyst use to filter the chocolate products?

- A. Chocolate!
- B. Chocolate\$
- C. %Chocolate&
- D. #Chocolate#\$

Answer: B

Explanation:

This question falls under the Data Acquisition and Preparation domain, which includes techniques for manipulating and filtering data, such as using regular expressions (RegEx) to identify specific patterns in text data. The task is to filter items containing the word "Chocolate."

? Chocolate! (Option A): In RegEx, "!" is not a valid pattern for matching a word like "Chocolate." It typically denotes negation in some contexts, but here it's incorrect.

? Chocolate\$ (Option B): The "\$" in RegEx anchors the pattern to the end of the string, meaning it matches "Chocolate" at the end of an item name (e.g., "Milk Chocolate"). This is the most appropriate pattern for identifying items ending with "Chocolate," which applies to the relevant items in the list.

? %Chocolate& (Option C): "%" and "&" are not standard RegEx anchors; they're often used in SQL LIKE patterns, not RegEx, making this incorrect.

? #Chocolate#\$ (Option D): "#" is not a standard RegEx anchor, and this pattern would look for "Chocolate" surrounded by "#", which doesn't match the data.

The DA0-002 Data Acquisition and Preparation domain includes "executing data manipulation", and RegEx is a common technique for filtering text data. The pattern "Chocolate\$" correctly identifies items like "Chocolate Bars," "Chocolate Wafers," "Chocolate Cake," and "Milk Chocolate."

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 2.0 Data Acquisition and Preparation

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NEW QUESTION 32

A data breach occurs at a company. Which of the following actions should be taken?

- A. Make an announcement on social media so customers are aware as soon as possible.
- B. Tell the company management team and then tell regulatory agencies.
- C. Keep the incident a secret until the issue is resolved.
- D. Inform the entire IT sector, but ask for discretion.

Answer: B

Explanation:

This question falls under the Data Governance domain, focusing on data breach response protocols. A data breach requires a structured response to comply with legal and regulatory requirements.

? Make an announcement on social media so customers are aware as soon as possible (Option A): Public announcement without internal coordination or regulatory notification can lead to legal issues and loss of trust.

? Tell the company management team and then tell regulatory agencies (Option B): This follows best practices: inform internal leadership to coordinate a response, then notify regulatory agencies as required by laws (e.g., GDPR mandates notification within 72 hours).

? Keep the incident a secret until the issue is resolved (Option C): This violates regulations requiring timely breach notification.

? Inform the entire IT sector, but ask for discretion (Option D): Sharing with the IT sector is vague and risks leaks; regulatory agencies should be prioritized.

The DA0-002 Data Governance domain includes "data privacy concepts," such as proper breach response procedures, emphasizing internal and regulatory notification. Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 5.0 Data Governance.

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NEW QUESTION 33

A project manager requests an unscheduled report that provides a list of clients. Which of the following frequencies is best for this report?

- A. Annual
- B. Daily
- C. Weekly
- D. Ad hoc

Answer: D

Explanation:

This question pertains to the Visualization and Reporting domain, focusing on report delivery frequencies. The report is described as unscheduled, meaning it's a

one-time request.

? Annual (Option A): Annual frequency implies a scheduled report every year, not suitable for an unscheduled request.

? Daily (Option B): Daily frequency implies a scheduled report each day, not suitable.

? Weekly (Option C): Weekly frequency implies a scheduled report each week, not suitable.

? Ad hoc (Option D): Ad hoc reports are generated on-demand for one-time or unscheduled needs, which matches the project manager's request.

The DA0-002 Visualization and Reporting domain includes "the appropriate visualization in the form of a report" with delivery methods, and ad hoc is the best frequency for an unscheduled report.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 4.0 Visualization and Reporting.

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NEW QUESTION 38

Which of the following file types separates data using a delimiter?

- A. XML
- B. HTML
- C. JSON
- D. CSV

Answer: D

Explanation:

This question falls under the Data Concepts and Environments domain, focusing on understanding file formats and their structures. The task is to identify a file type that uses delimiters to separate data.

? XML (Option A): XML uses tags to structure data, not delimiters.

? HTML (Option B): HTML is a markup language for web pages, not a data file format using delimiters.

? JSON (Option C): JSON uses key-value pairs and nested structures, not delimiters like commas.

? CSV (Option D): CSV (Comma-Separated Values) uses delimiters (typically commas) to separate data fields, making it the correct choice.

The DA0-002 Data Concepts and Environments domain includes understanding "data schemas and dimensions," such as file formats like CSV that use delimiters.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 1.0 Data Concepts and Environments.

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NEW QUESTION 39

A recent server migration applied an update to dataset naming conventions. Multiple users are now reporting stale information in an existing dashboard. The date in the dataset confirms a successful data refresh. Which of the following should a data analyst do first?

- A. Confirm the dashboard is pointed to the newest dataset.
- B. Filter the data in the dashboard.
- C. Escalate user permissions on the server.
- D. Verify that the dashboard subscription is not expired.

Answer: A

Explanation:

This question falls under the Data Governance domain, focusing on troubleshooting data freshness issues in dashboards. The dashboard shows stale data despite a successful refresh, and the server migration updated naming conventions, suggesting a potential mismatch.

? Confirm the dashboard is pointed to the newest dataset (Option A): The server migration updated dataset naming conventions, so the dashboard might still be pointing to an old dataset name, causing stale data. Confirming the dataset connection is the first step.

? Filter the data in the dashboard (Option B): Filtering might adjust the view but doesn't address the root cause of stale data.

? Escalate user permissions on the server (Option C): Permissions issues would likely prevent access, not cause stale data, especially since the dataset refreshed successfully.

? Verify that the dashboard subscription is not expired (Option D): An expired subscription might prevent access, but the dashboard is accessible, just showing stale data.

The DA0-002 Data Governance domain includes "data quality control concepts," such as ensuring dashboards connect to the correct, updated datasets after changes like server migrations.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 5.0 Data Governance.

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NEW QUESTION 41

A company reports on seven years of data in a sales dashboard. The dashboard pulls from a sales database that has 30 years of data. The dashboard performance is slow. Which of the following is the best way to improve the dashboard's performance?

- A. Performing a code review
- B. Checking network connectivity
- C. Filtering to include only relevant data
- D. Adding more RAM and rerunning

Answer: C

Explanation:

This question falls under the Data Governance domain, focusing on optimizing data quality and performance in dashboards. The dashboard is slow because it pulls from a large database (30 years) but only needs seven years of data.

? Performing a code review (Option A): A code review might identify inefficiencies, but it's not the most direct solution for this scenario.

? Checking network connectivity (Option B): Network issues might cause delays, but the primary issue is the data volume, not connectivity.

? Filtering to include only relevant data (Option C): Filtering the data to include only the last seven years reduces the dataset size, directly improving performance by minimizing the data processed.

? Adding more RAM and rerunning (Option D): Adding RAM might help, but it??s a hardware solution that doesn??t address the root cause of excessive data. The DA0-002 Data Governance domain includes "data quality control concepts," such as optimizing performance by filtering data to improve efficiency. Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 5.0 Data Governance.

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NEW QUESTION 44

A data analyst receives a new data source that contains employee IDs, job titles, dates of birth, addresses, years of service, and employees?? birth months. Which of the following inconsistencies should the analyst identify?

- A. Redundancy
- B. Equivalence
- C. Parallel
- D. Duplication

Answer: A

Explanation:

This question falls under theData Governancedomain, focusing on identifying data quality issues. The dataset includes dates of birth and birth months, which suggests a potential inconsistency.

? Redundancy (Option A): The dataset includes both dates of birth (e.g., 1990-05-15) and birth months (e.g., May), which is redundant because the birth month can be derived from the date of birth, indicating a data quality issue.

? Equivalence (Option B): Equivalence isn??t a standard data quality term in this context; it might refer to data matching, which isn??t the issue here.

? Parallel (Option C): Parallel isn??t a recognized data quality term; it might relate to processing, not data inconsistencies.

? Duplication (Option D): Duplication refers to identical records, but the issue here is redundant fields, not duplicate rows.

The DA0-002 Data Governance domain includes "data quality control concepts," and redundancy is a key inconsistency when the same information is stored in multiple forms unnecessarily.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 5.0 Data Governance.

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NEW QUESTION 46

Which of the following data repositories stores unstructured and structured data?

- A. Data store
- B. Data silo
- C. Data mart
- D. Data lake

Answer: D

Explanation:

This question falls under theData Concepts and Environmentsdomain of CompTIA Data+ DA0-002, which involves understanding different types of data repositories and their characteristics. The task is to identify a repository that can store both unstructured and structured data.

? Data store (Option A): A data store is a general term for any data repository, but it??s not specific enough to confirm it stores both unstructured and structured data.

? Data silo (Option B): A data silo is an isolated data repository, often structured, and not typically designed for unstructured data.

? Data mart (Option C): A data mart is a subset of a data warehouse, focused on structured data for specific business areas, not unstructured data.

? Data lake (Option D): A data lake is a centralized repository that stores raw data in its native format, including both structured (e.g., tables) and unstructured (e.g., text, images) data, making it the correct choice.

The DA0-002 Data Concepts and Environments domain includes understanding "different types of databases and data repositories," and a data lake is specifically designed to handle both unstructured and structured data.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 1.0 Data Concepts and Environments.

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NEW QUESTION 47

Which of the following best explains the purpose of data lineage?

- A. To see the steps and path of data flow through different systems
- B. To better understand the granularity of data variable relationships
- C. To track data transformations from acquisition through reporting
- D. To look up data definitions, ensuring consistent use across business units

Answer: C

Explanation:

This question pertains to theData Concepts and Environmentsdomain, focusing on the purpose of data lineage. Data lineage involves tracking the lifecycle of data.

? To see the steps and path of data flow through different systems (Option A): This describes a data flow diagram, not data lineage, which focuses on transformations rather than just flow.

? To better understand the granularity of data variable relationships (Option B): This relates to data modeling, not the purpose of data lineage.

? To track data transformations from acquisition through reporting (Option C): Data lineage tracks the journey of data, including transformations (e.g., cleaning, aggregation) from its source to its final use in reporting, which is its primary purpose.

? To look up data definitions, ensuring consistent use across business units (Option D): This describes a data dictionary, not data lineage.

The DA0-002 Data Concepts and Environments domain includes understanding "data schemas and dimensions," and data lineage specifically tracks transformations across the data lifecycle.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 1.0 Data Concepts and Environments.

NEW QUESTION 51

Software end users are happy with the quality of product support provided. However, they frequently raise concerns about the long wait time for resolutions. An IT

manager wants to improve the current support process. Which of the following should the manager use for this review?

- A. Infographic
- B. KPI
- C. Survey
- D. UAT

Answer: C

Explanation:

This question falls under the Data Analysis domain, focusing on methods to gather data for process improvement. The IT manager needs to review user concerns about wait times, which requires collecting feedback.

? Infographic (Option A): An infographic visualizes data but isn't a method for gathering feedback.

? KPI (Option B): KPIs (e.g., average resolution time) measure performance but don't directly gather user feedback.

? Survey (Option C): A survey collects detailed feedback from users about their experiences, such as wait times, making it the best method for this review.

? UAT (Option D): User Acceptance Testing validates software functionality, not support processes.

The DA0-002 Data Analysis domain includes "applying the appropriate descriptive statistical methods," and surveys are a standard method for collecting user feedback to analyze and improve processes.

Reference: CompTIA Data+ DA0-002 Draft Exam Objectives, Domain 3.0 Data Analysis.

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NEW QUESTION 56

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