



# DA0-001<sup>Q&As</sup>

CompTIA Data+

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## QUESTION 1

Which of the following data manipulation techniques is an example of a logical function?

- A. WHERE
- B. AGGREGATE
- C. BOOLEAN
- D. IF

Correct Answer: D

Explanation: This is because an IF function is a type of logical function that returns a value based on a condition or a set of conditions. An IF function can be used to manipulate data by applying different actions or calculations depending on

whether the condition is true or false. For example, an IF function in Excel that can achieve this is:

=IF (condition, value\_if\_true, value\_if\_false)

The other data manipulation techniques are not examples of logical functions. Here is why:

WHERE is a type of clause that filters data based on a condition or a set of conditions. A WHERE clause can be used to manipulate data by selecting only the rows that satisfy the condition(s). For example, a WHERE clause in SQL that can

achieve this is:

```
SELECT column_name FROM table_name WHERE condition;
```

AGGREGATE is a type of function that performs a calculation on a group of values, such as sum, average, count, etc. An AGGREGATE function can be used to manipulate data by summarizing or aggregating the values in a column or a table. For example, an AGGREGATE function in SQL that can achieve this is:

```
SELECT AGGREGATE(column_name) FROM table_name;
```

BOOLEAN is a type of data type that represents two possible values: true or false. A BOOLEAN data type can be used to manipulate data by storing or returning logical values based on a condition or a set of conditions. For example, a BOOLEAN data type in Python that can achieve this is:

```
boolean_variable = condition
```

## QUESTION 2

Which of the following contains alphanumeric values?

- A. 10.1<sup>2</sup>



B. 13.6

C. 1347

D. A3J7

Correct Answer: D

Explanation: Alphanumeric values are values that contain both letters and numbers, such as A3J7. The other options are numeric values, as they contain only numbers, such as 10.1E2, 13.6, and 1347. Reference: Guide to CompTIA Data+ and Practice Questions - Pass Your Cert

### QUESTION 3

Given the following report:

#### Quarterly Customer Service Report

Table 1. Frequency of Ticket Statuses

Status	Count
Reported	11
In-Progress	323
Closed	554

Table 2. Occurrence of Target Phrases

Target Phrases	Count
Have a great day!	1200
It is my pleasure to assist you.	70
Can you please hold?	7352

Most tickets are being addressed soon after being reported. Asking customers to hold is the most commonly used target phrase.



Which of the following components need to be added to ensure the report is point-in-time and static? (Choose two.)

- A. A control group for the phrases
- B. A summary of the KPIs
- C. Filter buttons for the status
- D. The date when the report was last accessed
- E. The time period the report covers
- F. The date on which the report was run

Correct Answer: E

The date on which the report was run. This is because the time period the report covers and the date on which the report was run are two components that need to be added to ensure the report is point-in-time and static, which means that the report shows the data as it was at a specific moment or interval in time, and does not change or update with new data. By adding the time period the report covers and the date on which the report was run, the analyst can indicate when and for how long the data was collected and analyzed, as well as avoid any confusion or ambiguity about the currency or validity of the data. The other components do not need to be added to ensure the report is point-in-time and static. Here is why:

A control group for the phrases is a type of group that serves as a baseline or a reference for comparison with another group that is exposed to some treatment or intervention, such as a target phrase in this case. A control group for the phrases does not need to be added to ensure the report is point-in-time and static, because it does not affect the time frame or the stability of the data. However, a control group for the phrases could be useful for evaluating the effectiveness or impact of the target phrases on customer satisfaction or retention. A summary of the KPIs is a type of document that provides an overview or a highlight of the key performance indicators (KPIs), which are measurable values that indicate how well an organization or a process is achieving its goals or objectives. A summary of the KPIs does not need to be added to ensure the report is point-in-time and static, because it does not affect the time frame or the stability of the data. However, a summary of the KPIs could be useful for communicating or presenting the main findings or insights from the report. Filter buttons for the status are a type of feature or function that allows users to select or deselect certain values or categories in a column or a table, such as ticket statuses in this case. Filter buttons for the status do not need to be added to ensure the report is point-in-time and static, because they do not affect the time frame or the stability of the data. However, filter buttons for the status could be useful for exploring or analyzing different aspects or segments of the data.

#### QUESTION 4

Which of the following is the BEST reason to use database views instead of tables?

- A. Views reduce the need for repetitive, complex data joins.
- B. Views allow for the storage of temporary data. whereas tables do not.
- C. Views allow for the joining of multiple data sources, whereas tables do not.
- D. Views can be used to restrict sensitive information.

Correct Answer: A

Explanation: Views are virtual tables that are created by querying one or more base tables or other views. Views do not store any data, but only show the result of a query. One of the main advantages of using views is that they can reduce



the need for repetitive, complex data joins. For example, if a query involves joining multiple tables with many conditions, creating a view can simplify the query and make it easier to reuse. Therefore, the correct answer is A. References: [What is a Database View? | Definition and Examples - Vertabelo], [Database Views - GeeksforGeeks]

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#### QUESTION 5

Which of the following actions should be taken when transmitting data to mitigate the chance of a data leak occurring? (Choose two.)

- A. Data identification
- B. Data processing
- C. Data Reporting
- D. Data encryption
- E. Data masking
- F. Fata removal

Correct Answer: DE

Explanation: Data encryption and data masking are two actions that can be taken when transmitting data to mitigate the chance of a data leak occurring. Data encryption means transforming data into an unreadable format that can only be decrypted with a key. Data masking means hiding or replacing sensitive data with fictitious or anonymized data. Both methods protect the confidentiality and integrity of the data in transit. References: CompTIA Data+ Certification Exam Objectives, page 13

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