DA0-001 Q&As

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QUESTION 1

Daniel is using the structured Query language to work with data stored in relational database.

He would like to add several new rows to a database table.

What command should he use?

A. SELECT.

B. ALTER.

C. INSERT.

D. UPDATE.

Correct Answer: C

INSERT The INSERT command is used to add new records to a database table. The SELECT command is used to retrieve information from a database. It\\'s the most commonly used command in SQL because it is used to pose queries to the database and retrieve the data that you\\'re interested in working with. The UPDATE command is used to modify rows in the database. The CREATE command is used to create a new table within your database or a new database on your server.

QUESTION 2

A data analyst has a set with more than 40.000 rows in the sample schema below:

Name	Birth date - sales system	Birth date - marketing system	Birth date - accounting system
Tom	1/4/1989		
Frank		7/5/1994	
Carrie		8/3/1973	
Joe			3/2/2001

The analyst would like to create one column that contains the customers\\' birth dates. Which of the following data quality dimensions would BEST explain the reason for compilation?

A. Data accuracy

B. Data completeness

C. Data duplication

D. Data integrity

Correct Answer: D

Explanation: Data integrity is the dimension that measures the consistency and validity of data across different data sources. In this case, the data analyst wants to create one column that contains the customers\\' birth dates, but the data is stored in different formats and locations in the sample schema. For example, some customers have their birth dates in the customer table, while others have their birth years in the sales table. To compile the data into one column, the data analyst needs to ensure that the data is consistent and valid across the tables. Therefore, data integrity is the best explanation for the reason for compilation. References: Data Quality Dimensions - DATAVERSITY, The 6 Data Quality Dimensions with Examples | Collibra

QUESTION 3

A data analyst is asked on the morning of April 9, 2020, to create a sales report that identifies sales year to date. The daily sales data is current through the end of the day. Which of the following date ranges should be on the report?

A. January 1, 2020 to April 1, 2020

B. January 1, 2020 to April 7, 2020

C. January 1, 2020 to April 8, 2020

D. January 1, 2020 to April 9, 2020

Correct Answer: D

This is because sales year to date refers to the sales that have occurred from the beginning of the current year until the current date. By creating a sales report that identifies sales year to date, the analyst can measure and compare the sales performance and progress of the current year. Since the analyst is asked to create the sales report on the morning of April 9, 2020, and the daily sales data is current through the end of the day, the date range that should be on the report is January 1, 2020 to April 9, 2020. The other date ranges are not correct for identifying sales year to date. Here is why:

January 1, 2020 to April 1, 2020 would not include the sales that occurred in the first eight days of April, which would underestimate the sales year to date. January 1, 2020 to April 7, 2020 would not include the sales that occurred in the last two days of April, which would also underestimate the sales year to date. January 1, 2020 to April 8, 2020 would not include the sales that occurred on April 9, which would also underestimate the sales year to date.

QUESTION 4

A financial analyst is creating a daily billing report for a company. One night, the company\\'s data warehouse did not update the data, which caused the data to be reported incorrectly the next day. Which of the following documentation elements should the analyst add to catch this error?

A. Version number

B. Data refresh

C. Frequently asked questions tab

D. Summary

Correct Answer: B

A data refresh is a documentation element that indicates when the data was last updated or refreshed from the source. A data refresh can help the analyst to catch the error of the data warehouse not updating the data, as it will show a discrepancy between the expected and actual date of the data update. A data refresh can also help the users of the report to verify the timeliness and accuracy of the data, and to avoid making decisions based on outdated or incorrect data

QUESTION 5

Five dogs have the following heights in millimeters:

300, 430, 170, 470, 600

Which of the following is the mean height for the five dogs?

A. 394mm

B. 405mm

C. 493mm

D. 504mm

Correct Answer: B

Explanation: The mean height for the five dogs is 405mm. The mean, or average, is a measure of central tendency that represents the sum of all values divided by the number of values. To calculate the mean height for the five dogs, we can

use the following formula:

Mean = (300 + 430 + 170 + 470 + 600) / 5 = 2020 / 5 = 404 We can round up the result to the nearest millimeter, which is 405mm. The other options are not correct, as they are either too high or too low than the actual mean. Reference:

[Mean - Math is Fun]