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Question 1

Question Type: MultipleChoice

Which of the following describes the use of a representative amount of data from a main repository?

Options:

- A- Observation
- B- Delta load
- C- Web scraping
- D- Sampling

Answer:

D

Question 2

Question Type: MultipleChoice

An analyst is designing a dashboard that will provide a story of the sales and sales customer ratio. The following data is available:

Site	Customers	New customers	Percentage of new customers	Sales volume	Average sales per customer
A1	2236	277	12%	\$3,415,372.00	\$1,527.45
A2	885	300	34%	\$1,405,437.00	\$1,588.06
A3	333	200	60%	\$952,723.00	\$2,861.03
B1	483	167	35%	\$4,871,380.00	\$10,085.67
B2	2969	235	8%	\$780,381.00	\$262.84
B3	2357	153	6%	\$4,917,436.00	\$2,086.31
C1	1524	180	12%	\$1,135,204.00	\$744.88
C2	878	150	17%	\$614,964.00	\$700.41
C2	1925	142	7%	\$4,035,100.00	\$2,096.16

Which of the following charts should the analyst consider including in the dashboard?

Options:

- A- A column chart with site and sales
- B- A line chart with site and sales
- C- A pie chart with site and sales
- D- A scatter chart with site and sales

Answer:

A

Question 3

Question Type: MultipleChoice

Which of the following is the most likely reason for a data analyst to optimize a query using parameterization?

Options:

- A- To return a subset of records
- B- To insert a temporary table
- C- To prevent SQL injections
- D- To increase the query speed

Answer:

C

Question 4

Question Type: MultipleChoice

Which of the following technologies would be best suited for creating a multiple linear regression model?

Options:

A- Microsoft Power BI

B- R

C- SQL

D- Tableau

Answer:

B

Question 5

Question Type: MultipleChoice

A data analyst needs to create a master file that includes customer information from the tables below:

Table 1: Online Transactions

Order_ID	Customer_ID	Date	Amount	Quantity
002A	002	03/01/2020	\$800	109
001B	001	02/01/2020	\$400	14
001B	001	02/01/2020	\$400	14
001B	001	02/01/2020	\$400	14
004C	004	06/01/2020	\$700	52
003D	003	05/01/2020	\$900	20

Table 2: In-store Transactions

Order_ID	Customer_ID	Date	Amount	Quantity
006A	006	04/01/2020	\$200	59
007B	007	03/01/2020	\$500	54
008C	008	02/01/2020	\$600	15
009D	009	05/01/2020	\$800	18
001E	001	07/01/2020	\$300	50
003F	003	08/01/2020	\$200	55

Table 3: Customer Table

Customer_ID	Segment	Region
001	New	BC
002	Existing	ON
003	New	MB
004	New	ON
005	Existing	AT
006	Existing	MB
007	New	QC
008	New	QC
009	Existing	BC

Given the three tables above, the analyst wants to filter down the information prior to joining it together. In which of the following orders should this data manipulation be approached for the most efficient result?

Options:

- A- Merge, append, deduplicate
- B- Merge, deduplicate, append
- C- Deduplicate, append, merge
- D- Append, deduplicate, merge

Answer:

C

Question 6

Question Type: MultipleChoice

A data analyst must fulfill a request for information that is needed weekly and should be automatically emailed to a specific set of users. Which of the following types of reports should the analyst recommend?

Options:

- A- A self-service report
- B- A research report
- C- An ad hoc report
- D- An operational report

Answer:

D

Question 7

Question Type: MultipleChoice

A survey asks participants to rate a company on a scale of one to ten. Which of the following best describes the rating variable?

Options:

- A- Continuous

- B- Ordinal
- C- Categorical
- D- Nominal

Answer:

B

Question 8

Question Type: MultipleChoice

Which of the following is the best description of the term "data governance"?

Options:

- A- Data governance governs the development of a data visualization dashboard in an organization.
- B- Data governance is the policy that protects against data breaches by cybercriminals.
- C- Data governance is the process of analyzing, manipulating, and reporting data in an organization.
- D- Data governance is the availability, usability, integrity, and security of data in an enterprise.

Answer:

D

Question 9

Question Type: MultipleChoice

Given the following data table:

CandidateID	Status	Date	HireDate
01	Hired	05-23-87	05-23-87
02	Hired	11-30-96	11-30-96
03	Hired	13-05-99	13-05-99

Which of the following are appropriate reasons to undertake data cleansing? (Select two).

Options:

A- Non-parametric data

B- Missing data

- C- Duplicate data
- D- Invalid data
- E- Redundant data
- F- Normalized data

Answer:

D, E

Question 10

Question Type: MultipleChoice

Standardized tests are given to students in the middle of each month, and the results are ready by the end of the month. The superintendent needs a quick view of test performance. Which of the following would be the best recommendation to meet the superintendent's requirements?

Options:

- A- A dashboard with a continuous data stream and saved searches

- B-** A report of test scores by classroom, emailed to the superintendent at the end of the month
- C-** A report of test scores with pie charts showing student performance
- D-** A dashboard with a scheduled delivery, the ability to filter scores by school, and bar charts for comparison

Answer:

D

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