

Snowflake

DAA-C01

SnowPro Advanced - Data Analyst

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Question: 1

The following JSON object is stored in a VARIANT column called src in a table called car_sales:

```
{"vehicle" : [  
{"make": "Honda", "model": "Civic", "year": "2019",  
"price": "20275", "extras":["ext warranty", "paint  
protection"]},  
{"make": "Toyota", "model": "Camry", "year": "2021",  
"price": "28375", "extras":["ext warranty", "paint  
protection", "rust proofing"]}  
]}
```

Which query would return the following result?

Make	Model	Extras
Honda	Civic	ext warranty
Honda	Civic	paint protection
Toyota	Camry	ext warranty
Toyota	Camry	paint protection
Toyota	Camry	rust proofing

Response:

- A. SELECT
src:vehicle.make::string AS make,
src:vehicle.model::string AS model,
src:vehicle.extras::string AS extras
FROM car_sales
ORDER BY make, model, extras;
- B. SELECT
vm.value:make::string AS make,
vm.value:model::string AS model,
ve.value::string AS extras

```
FROM car_sales
,lateral flatten(input => src:vehicle) AS vm
,lateral flatten(input => vm.value:extras) AS ve
ORDER BY make, model, extras;
C. SELECT
vm.value:make::string AS make,
vm.value:model::string AS model,
vm.value:extras::string AS extras
FROM car_sales
,lateral flatten(input => src:vehicle) AS vm
ORDER BY make, model, extras;
D. SELECT
src:vehicle.make::string AS make,
src:vehicle.model::string AS model,
vm.value::string AS extras
FROM car_sales
,lateral flatten(input => src:vehicle.extras) AS vm
ORDER BY make, model, extras;
```

Answer: B

Question: 2

Which of the following is a key step in data preparation?

Response:

- A. Data normalization
- B. Model deployment
- C. Algorithm selection
- D. Visual analysis

Answer: A

Question: 3

A Data Analyst has been asked to produce a tile in a dashboard using Snowsight. The chart should always show orders for the last 30 days excluding partial days based on the order_date field. Which filter condition will meet this requirement?

Response:

- A. where order_date = LAST_DAY()
- B. where order_date IN PAST_30_DAYS()
- C. where order_date = TODAY()
- D. where order_date BETWEEN CURRENT_DATE() - 30 AND CURRENT_DATE()

Answer: D

Question: 4

What is a critical consideration when using data shares in Snowflake to join data with existing datasets?
Response:

- A. Ensuring data schema compatibility
- B. The number of likes on the Snowflake's social media page
- C. The visual appeal of the data
- D. The brand of the data visualization tool

Answer: A

Question: 5

A key aspect of performing exploratory ad-hoc analyses is:
Response:

- A. Following a strict data model
- B. Relying solely on predefined hypotheses
- C. Flexibility in querying and data exploration
- D. Limiting data sources

Answer: C

Question: 6

Which approach is most suitable for making data-driven predictions?
Response:

- A. Basic SQL queries
- B. Using built-in SQL functions for statistical analysis
- C. Relying on external data sources only
- D. Ignoring historical data trends

Answer: B

Question: 7

Why is the Parquet format preferred for complex data sets?
Response:

- A. It has visually appealing data presentation
- B. It supports efficient compression and encoding schemes
- C. It randomly alters data for testing
- D. It changes data colors for differentiation

Answer: B

Question: 8

A Data Analyst has a sequence of numeric values that could represent some quantity or amount values. The Analyst tries to label the values using ranking windows functions as shown below:

```
1 SELECT n,
2     ROW_NUMBER() OVER (ORDER BY n) as row_number,
3     RANK() OVER (ORDER BY n) as rank,
4     DENSE_RANK() OVER (ORDER BY n) as dense_rank,
5     NTILE(2) OVER (ORDER BY n) as ntile
6 FROM (VALUES (34), (14), (34), (55))
7 AS Numbers(n);
```

Objects Editor Results Chart

	N	ROW_NUMBER	RANK	...	DENSE_RANK	NTILE
1	14	1	1		1	1
2	34	2	2		2	2
3	34	3	2		3	2
4	55	4	3		3	2

What are the hidden values (as indicated by the green circles) in the SQL query result grid? (Select TWO).

Response:

- A. 2 for the hidden NTILE cell
- B. 3 for the hidden RANK cell
- C. 4 for the hidden RANK cell
- D. 3 for the hidden DENSE_RANK cell
- E. 1 for the hidden NTILE cell

Answer: C,E

Question: 9

When planning for data volume collection, what is an important consideration to ensure scalability and performance?

Response:

- A. The physical location of data
- B. The types of data visualization tools used
- C. The data processing capabilities
- D. The expected growth rate of data

Answer: D

Question: 10

A Data Analyst created a schema named PUBLIC. This schema contains two permanent tables as shown below:

```
CREATE TABLE TABLE1 (NAME VARCHAR)
DATA_RETENTION_TIME_IN_DAYS = 10;
CREATE TABLE TABLE2 (NAME VARCHAR);
```

The following command is run:

```
ALTER SCHEMA PUBLIC SET DATA_RETENTION_TIME_IN_DAYS = 15;
```

What will be the result of running the command?

Response:

- A. The attempt to set the data retention limit at the schema level will cause the statement to fail.
- B. The retention time on TABLE1 does not change. The retention time on TABLE2 will be set to 15 days.
- C. The retention time on both tables will be set to 15 days.
- D. The retention time will be unchanged for both tables.

Answer: B

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