

# SOL-C01 Exam Questions Answers & SOL-C01 Reliable Test Materials



## Snowflake SOL-C01 SnowPro Associate - Platform Certification

**Questions & Answers PDF  
(Demo Version – Limited Content)**

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## Snowflake Certified SnowPro Associate - Platform Certification Sample Questions (Q193-Q198):

### NEW QUESTION # 193

Which SQL command is used to create a new database in Snowflake?

- A. **CREATE DATABASE database\_name;**
- B. USE DB database\_name;
- C. CREATE DB database\_name;
- D. USE DATABASE database\_name;

**Answer: A**

Explanation:

The correct SQL command for creating a new database in Snowflake is `CREATE DATABASE database_name;`. This initializes a new logical container for schemas and objects. `USE DATABASE` switches the active database context but does not create one. Snowflake does not support the shorthand `CREATE DB` or `USE DB` syntax. Therefore, `CREATE DATABASE` is the correct and only valid command for creating a database.

### NEW QUESTION # 194

How can you query semi-structured data (e.g., JSON) stored in a Snowflake VARIANT column?

- A. **Using path notation to access specific elements within the VARIANT**
- B. Only through stored procedures.
- C. By converting the VARIANT column to a relational table first.
- D. Using standard SQL WHERE clauses on the entire VARIANT column.

**Answer: A**

Explanation:

Semi-structured data like JSON stored in a VARIANT column can be queried directly using path notation, either dot notation or bracket notation.

Examples:

\* Dot notation: `SELECT data:customer.name FROM table;`

\* Bracket notation: `SELECT data['customer']['name'] FROM table;`

Snowflake automatically interprets the JSON structure, making relational extraction unnecessary. Complex fields can be accessed through functions such as `FLATTEN`, `OBJECT_KEYS`, `ARRAY_SIZE`, and `TYPEOF`.

Incorrect options:

\* Converting JSON to a relational table is optional, not required.

\* Stored procedures are not necessary for JSON querying.

\* WHERE on the full VARIANT cannot precisely extract fields.

Thus, path notation is the native, efficient method.

### NEW QUESTION # 195

A data engineer is tasked with designing a Snowflake solution for a financial services company that needs to perform real-time fraud detection. The solution needs to leverage external models trained in Python using Snowpark ML and ingest data from various sources, including Kafka streams and S3 buckets. Which of the following architectural choices would best leverage the Snowflake AI Data Cloud capabilities for this scenario?

- A. **Utilize Snowflake's Snowpark ML to deploy and manage models directly within Snowflake, integrate with Kafka using Snowflake Kafka connector, and use external tables for S3 data access.**
- B. **Use Snowflake's Streamlit integration for real-time data visualization of Kafka streams, and use Snowpark ML to deploy and manage models directly within Snowflake, loading data from S3 via COPY INTO.**
- C. Employ Snowflake's Snowpipe for Kafka integration, use Snowflake Tasks to schedule data loading from S3, and leverage Snowflake's native SQL capabilities for fraud detection without employing external models.
- D. Use Snowflake external functions to call a separate SageMaker endpoint for model inference and load data from Kafka using Snowpipe and S3 using COPY INTO.
- E. Create a separate Spark cluster to process Kafka streams and use the Snowflake Spark connector to write the processed

data to Snowflake. Use COPY INTO for S3 data, and deploy the ML model using Snowflake external functions calling a Databricks cluster.

**Answer: A,B**

Explanation:

Option B and E offer the best solutions. Option B leverages Snowflake's Snowpark ML for model management within Snowflake, Snowflake Kafka connector for direct Kafka integration, and external tables to avoid data duplication for S3. Option E complements B by adding Streamlit integration for Real Time Visualization of Kafka Streams. Option A, C and D introduce unnecessary external dependencies (SageMaker, Spark, Databricks) and don't fully utilize Snowflake's native capabilities for data processing and ML model deployment. Choosing native capabilities minimizes complexity and operational overhead.

#### NEW QUESTION # 196

You have created a new database named 'DEV DB' and want to grant the 'SELECT' privilege on all tables within this database to the 'ANALYST' role. You want to ensure that any new tables created in 'DEV DB' in the future automatically grant 'SELECT' to the 'ANALYST' role. Which of the following approaches achieves this?

- A. GRANT FUTURE GRANTS SELECT ON DATABASE DEV DB TO ROLE ANALYST;
- B. GRANT SELECT ON ALL TABLES IN DATABASE DEV DB TO ROLE ANALYST;
- C. GRANT SELECT ON DATABASE DEV DB TO ROLE ANALYST; ALTER DATABASE DEV DB SET ENABLE FUTURE GRANTS = TRUE;
- **D. GRANT SELECT ON FUTURE TABLES IN DATABASE DEV DB TO ROLE ANALYST;**
- E. ALTER DATABASE DEV DB SET GRANTED PRIVILEGES = 'SELECT' TO ROLE ANALYST;

**Answer: D**

Explanation:

The 'GRANT ON FUTURE TABLES IN DATABASE TO ROLE' syntax is specifically designed to grant privileges on tables created in the future. Option A only grants the privilege on existing tables. Option B is incorrect because the privilege order is wrong, it should be GRANT ON FUTURE TABLES IN DATABASE. Options D and E use incorrect syntax and do not achieve the desired result.

#### NEW QUESTION # 197

What does a green checkmark next to a cell in a Snowflake notebook signify?

- A. The cell is paused
- B. The cell has errors
- **C. The cell has completed execution successfully**
- D. The cell is currently running

**Answer: C**

Explanation:

In Snowflake Notebooks, a green checkmark is a visual indicator that the cell has successfully executed, meaning the computation completed without errors and results are available. This helps users verify execution state quickly across multi-step workflows.

Other visual states include:

- \* A spinning icon for cells that are currently executing
- \* A red error symbol for failed executions
- \* Plain, unmarked cells that have not yet run

Snowflake Notebooks support SQL and Python cells with integrated compute, output visualization, and cell-level execution state tracking. There is no "paused" state for notebook cells.

#### NEW QUESTION # 198

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