Snowflake

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QUESTION & ANSWERS

Question: 1

How do you refresh a materialized view?

- A. ALTER VIEW <MV_NAME> REFRESH
- B. REFRESH MATERIALIZED VIEW <MV_NAME>
- C. Materialized views are automatically refreshed by snowflake and does not require manual intervention

Answer: C

Explanation/Reference:

Materialized views are automatically and transparently maintained by Snowflake. A background service updates the materialized view after changes are made to the base table. This is more efficient and less error-prone than manually maintaining the equivalent of a materialized view at the application level.
https://docs.snowflake.com/en/user-guide/views-materialized.html#when-to-use-materialized-views

Question: 2

Which alter command below may affect the availability of column with respect to time travel?

- A. ALTER TABLE...DROP COLUMN
- B. ALTER TABLE...SET DATA TYPE
- C. ALTER TABLE...SET DEFAULT

Answer: B

Explanation/Reference:

If the precision of a column is decreased below the maximum precision of any column data retained in Time Travel, you will not be able to restore the table without first increasing the precision. The precision of a column data can only be altered using the ALTER TABLE ...SET DATA TYPE command.
Hence, ALTER TABLE...SET DATA TYPE is the most appropriate answer
https://docs.snowflake.com/en/sql-reference/sql/alter-table-column.html#alter-table-alter-column

Question: 3

Loading data using snowpipe REST API is supported for external stage only

A. TRUE
B. FALSE

Explanation/Reference:

Snowpipe supports loading from the following stage types:
1. Named internal (Snowflake) or external (Amazon S3, Google Cloud Storage, or Microsoft Azure) stages
2. Table stages
https://docs.snowflake.com/en/user-guide/data-load-snowpipe-rest-gs.html#step-1-create-a-stage-if-needed

Question: 4

Which copy options are not supported by CREATE PIPE...AS COPY FROM command?

A. FILES = ('file_name1' [, 'file_name2', ...])
B. FORCE = TRUE | FALSE
C. ON_ERROR = ABORT_STATEMENT
D. VALIDATION_MODE = RETURN_n_ROWS | RETURN_ERRORS | RETURN_ALL_ERRORS
E. MATCH_BY_COLUMN_NAME = CASE_SENSITIVE | CASE_INSENSITIVE | NONE

Explanation/Reference:

All COPY INTO <table> copy options are supported except for the following:
FILES = ('file_name1' [, 'file_name2', ...])
ON_ERROR = ABORT_STATEMENT
SIZE_LIMIT = num
PURGE = TRUE | FALSE (i.e. automatic purging while loading)
MATCH_BY_COLUMN_NAME = CASE_SENSITIVE | CASE_INSENSITIVE | NONE
FORCE = TRUE | FALSE
Note that you can manually remove files from an internal (i.e. Snowflake) stage (after they've been loaded) using the REMOVE command.
RETURN_FAILED_ONLY = TRUE | FALSE
VALIDATION_MODE = RETURN_n_ROWS | RETURN_ERRORS | RETURN_ALL_ERRORS
https://docs.snowflake.com/en/sql-reference/sql/create-pipe.html#usage-notes

Question: 5

Which command can be run to list all shares that have been created in your account or are available to consume by your account

A. SHOW SHARES
B. LIST SHARES
C. DESCRIBE SHARES

Answer: A

Explanation/Reference:

SHOW SHARES
Lists all shares available in the system:
Outbound shares (to consumers) that have been created in your account (as a provider).
Inbound shares (from providers) that are available for your account to consume.
https://docs.snowflake.com/en/sql-reference/sql/show-shares.html#show-shares

Question: 6

Materialized views based on external tables can improve query performance

A. TRUE
B. FALSE

Answer: A

Explanation/Reference:

Querying data stored external to the database is likely to be slower than querying native database tables; however, materialized views based on external tables can improve query performance.
https://docs.snowflake.com/en/user-guide/tables-external-intro.html

Question: 7

You have created a table as below
CREATE TABLE SNOWFLAKE (TEST_ID INTEGER, TEST_COURSE VARCHAR);
Which of the below select query will fail for this table?

A. SELECT * from snowflake;
B. SELECT * from Snowflake;
C. SELECT * from 'snowflake';
D. SELECT * FROM 'SNOWFLAKE';