**Assessment --Snowflake**

Snowflake setup and its configuration

Integrate with S3 with snowflake to ingest data and perform the following activities.

Create stage in s3

Click on databases

Select your database and schema

Click on stages and create stage

Use access key and secret key for stage creation

provide s3 dir URL s3://snowflake-bucket/snowflake\_data/

**Ans: The screenshots show the completion of the assessment as follows:**

**Snowflake homepage after login**

A screenshot of a computer

Description automatically generated

**Database creation i.e. MYSNOWFLAKEDB**

A screenshot of a computer

Description automatically generated

**Schema creation i.e. MYSNOWFLAKESCHEMA**

A screenshot of a computer

Description automatically generated

**Creating stage manually**

**A screenshot of a computer

Description automatically generated**

**Also, creating stage via SQL command**

**A screenshot of a chat

Description automatically generated**

**Creating a table “customers”**

**A screenshot of a computer

Description automatically generated**

**Validating connection**

**A screenshot of a chat

Description automatically generated**

**Creating file format**

**A screenshot of a chat

Description automatically generated**

**Loading**

**A screenshot of a chat

Description automatically generated**

**Showing output**

**A screenshot of a computer

Description automatically generated**

**Assessment-MongoDB**

Deploy MongoDB-Mongodb cluster get created

Connect to your deployment

Syntax wrt to drive application programming language should take reference from official document of mongodb.

Insert, query, update, or delete documents(on sample data or integrate with s3 or other sources)

Model your data

**Ans:**

**The screenshots show the MongoDB assignment completion:**

**Creating MongoDB cluster**

A screenshot of a computer

Description automatically generated

**Creating new database and collection**

A screenshot of a computer

Description automatically generated

**Connecting to cluster and copying connection string**

A screenshot of a computer

Description automatically generated

**Installing MongoDB driver i.e. pymongo**

A screen shot of a computer code

Description automatically generated

**Importing pymongo and connect to the cluster**

A screenshot of a computer

Description automatically generated

**Inserting documents**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

**Querying documents**

A screenshot of a computer code

Description automatically generated

**Updating documents**

A screen shot of a computer code

Description automatically generated

A screenshot of a computer

Description automatically generated

A computer code with red and blue text

Description automatically generated

A screenshot of a computer

Description automatically generated

**Deleting documents**

A close-up of a computer code

Description automatically generated

A screenshot of a computer

Description automatically generated

A computer code with text

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated

**Data modelling**

Data modeling in MongoDB involves defining the structure of the documents and collections. Here’s an example of a more complex document schema.

A screen shot of a computer code

Description automatically generated

A screenshot of a computer program

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