Tutorial to Follow along for Databases

Task 1: Create a Database

1. On the database function tab in snowflake user interface, click on “+ create…”
2. Give a name to the database – we will use fictional name “TRAININGDB”
3. Provide a comment – “Data warehouse for Automation experts America”
4. Click Show SQL – you should see a script as below

**CREATE** **DATABASE** TRAININGDB **COMMENT** = 'MY TRAINING DATABASE';

1. Click Finish and your database should be ready for your use.

Task 2: Create a Schema

1. Click on the newly created database – you should see a “Tables” tab with nothing underneath.
2. Go to the “Schemas” tab and you should see a create option underneath it, click on “+ create…”
3. Give a name to the schema – we will give it a name of “Sales”
4. Provide a comment – “Data warehouse Schema for Sales department”
5. Click Show SQL – you should see a script as below

**CREATE** **SCHEMA** "TRAINIGNDB"."SALES" **COMMENT** = 'Data warehouse Schema for Sales department';

1. Click Finish and your schema should be ready for your use.

Task 3: Create a Table

1. For this exercise, we will use customer table. We will use the same table and data as available in snowflake sample data “Snowflake\_Sample\_Data” database in the “TPCH\_SF001” Schema and “CUSTOMER” table. The table will look as below when done.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Ordinal** | **Type** | **Nullable** | **Default** |
| C\_CUSTKEY | 1 | NUMBER(38,0) | FALSE | NULL |
| C\_NAME | 2 | VARCHAR(25) | FALSE | NULL |
| C\_ADDRESS | 3 | VARCHAR(40) | FALSE | NULL |
| C\_NATIONKEY | 4 | NUMBER(38,0) | FALSE | NULL |
| C\_PHONE | 5 | VARCHAR(15) | FALSE | NULL |
| C\_ACCTBAL | 6 | NUMBER(12,2) | FALSE | NULL |
| C\_MKTSEGMENT | 7 | VARCHAR(10) | TRUE | NULL |
| C\_COMMENT | 8 | VARCHAR(117) | TRUE | NULL |

1. Click on “+ Create” under the Database 🡪 TRAININGDB > Tables
2. Provide the name of the table – CUSTOMER
3. Select schema 🡪 SALES
4. Click “+ Add” to Add column as mentioned above one by one.
5. After finishing, click Show SQL and copy the scripts and past it into a notepad
6. Click Finish.

This should create your table

Task 4: Create a Stage

1. Configure your Cloud provider bucket per providers specification
2. Click on “+ Create” in Databases > TRAININGDB > STAGES
3. Choose S3 or from your cloud provider.
4. Provide necessary details on location, and credentials to access the cloud storage.
5. Click Finish to create the stage.

Follow along SQL Scripts from “Deeper Look - Databases.sql” file attached in resources section.