SQL 101

Snowflake Set-up

January 2023

1. Sign up

Go to https://signup.snowflake.com/ to sign up for a free trial account.

2. Choose options

Choose:
- Enterprise Edition
- Google Cloud Platform
- Nearest zone to you (e.g. US East 4 (N. Virginia))

Please do not choose AWS or Microsoft Azure Platforms as your cloud provider - it fails to load the data sometimes.

Choose your Snowflake edition*

○ **Standard**
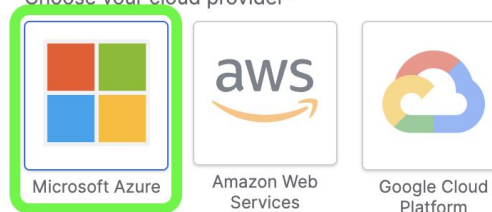A strong balance between features, level of support, and cost.

● **Enterprise**
Standard plus 90-day time travel, multi-cluster warehouses, and materialized views.

○ **Business Critical**
Enterprise plus enhanced security, data protection, and database failover/fallback.

Choose your cloud provider*

Microsoft Azure   Amazon Web Services   Google Cloud Platform

East US 2 (Virginia)

☑ Check here to indicate that you have read and agree to the terms of the Snowflake Self Service On Demand Terms.

GET STARTED

3. Activate account

Check your email, in a few minutes you should receive an email with a button to activate your account.

This will take you to a page where you create your username and password.
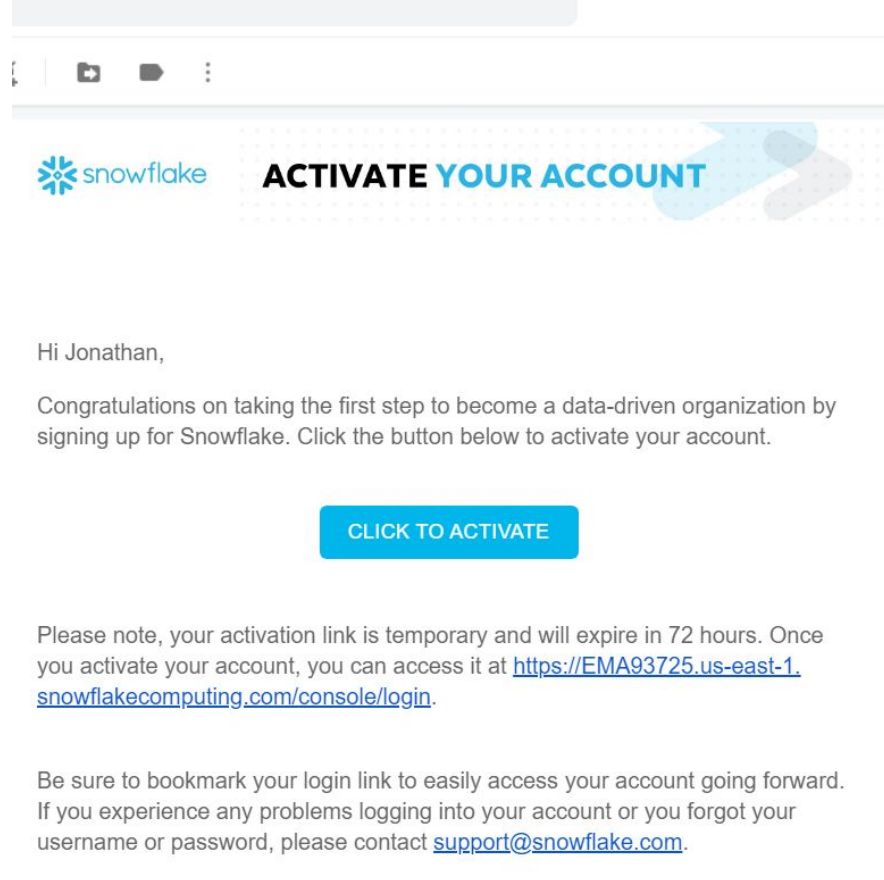
4. Download the CSV files to get the source data

Option 1:   Click Here to access the files in Google Drive

Option 2: Github repository

5. Create Tables

Copy/paste sql code below to run in your worksheet:
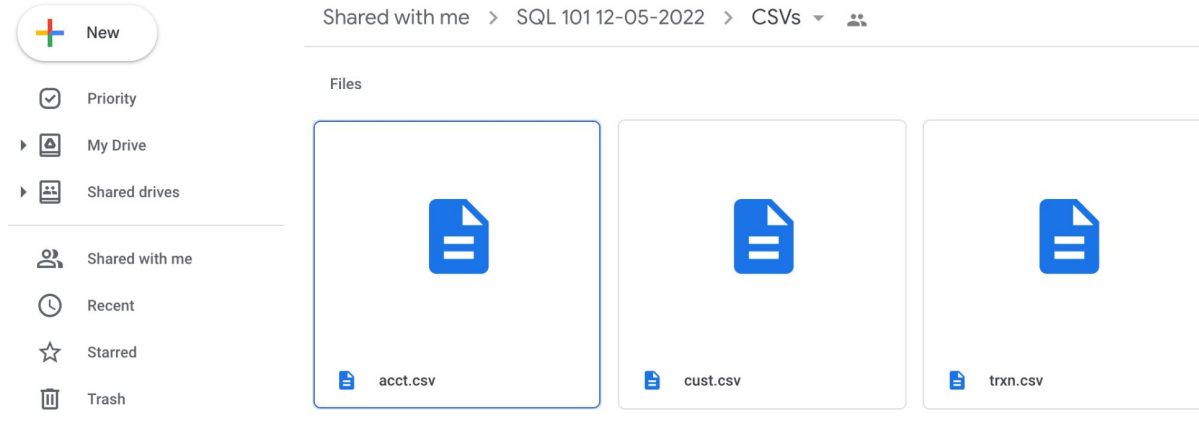
```sql
CREATE WAREHOUSE COMPUTE_WH;
USE WAREHOUSE COMPUTE_WH;
CREATE DATABASE HRDW_DB_COLLAB;
USE DATABASE HRDW_DB_COLLAB;
CREATE SCHEMA LAB_TRAINING;
USE SCHEMA LAB_TRAINING;

CREATE FILE FORMAT MY_CSV_FORMAT
  TYPE = 'CSV'
  FIELD_DELIMITER = ',',
  FIELD_OPTIONALLY_ENCLOSED_BY = '"'
  SKIP_HEADER = 1;

CREATE TABLE ACCT_2023 (
    ACCT_ID NUMBER(12,0),
    CUST_ID NUMBER(10,0),
    ACCT_OPEN_DT DATE,
    ACCT_STATUS VARCHAR(15),
    CARD_TYPE VARCHAR(20));

CREATE TABLE CUST_2023 (
    CUST_ID NUMBER(10,0),
    CUST_ROLE VARCHAR(15),
    CUST_NAME VARCHAR(50),
    BIRTH_DT DATE,
    TAX_ID VARCHAR(9),
    HOME_PHN_NUM VARCHAR(10),
    WORK_PHN_NUM VARCHAR(10),
    MOBILE_PHN_NUM VARCHAR(10),
    ADR_LINE_1 VARCHAR(50),
    ADR_LINE_2 VARCHAR(10),
    CITY VARCHAR(20),
    STATE VARCHAR(2),
    ZIPCD VARCHAR(11),
    EMAIL VARCHAR(25));

CREATE TABLE TRXN_2023 (
    TRXN_ID NUMBER(10,0),
    ACCT_ID NUMBER(12,0),
    TRXN_DT DATE,
    TRXN_AMT DECIMAL(10,2),
    MRCH_NM VARCHAR(30));
```


Click on the + button to create a new worksheet

Paste your code here and select all.
Click the Run button to execute all lines of code together.

6. Load Data

Worksheets   2023-09-12 2:00pm

Databases   **Worksheets**

Pinned (0)

No pinned objects

All Objects **You should see the new DB and tables as below**   ...

Step 1 - Click on the elipses here and refresh the left panel

> HRDW_DB_COLLAB
  > INFORMATION_SCHEMA   **Step2: click on the elipses next to acct table and select Loda Data option**
  > LAB_TRAINING
    > Tables
      ACCT_2022   ...

      Place Name in Editor

      Add Columns in Editor

      View Definition

      Load Data

  > File Fc
> PUBLIC
> SNOWFLA
> SNOWFLAKE_SAMPLE_DATA

Load Data into Table

ACCT_2022

Drag and drop to upload files

or

Browse

or

Add from Stage

File size limit: 50MB

File format

Delimited Files (CSV or TSV)

Customize a format

Delimited Files (CSV or TSV)   ✓

JSON

Parquet

Avro

ORC   **Make sure to select the file format you created**

XML

File formats in current database

MY_CSV_FORMAT

CSV, skip header: 1, field delimiter: Comma, compression: AUTO, trim space: false, null if: \N, field optionally enclosed by: ", da...

Time format   Auto* (default)

✓

Successfully Loaded Data

acct.csv → ACCT_2022

5,028 rows were successfully inserted into the table.

Query Data

Done

Load Data into Table

ACCOUNTADMIN • COMPUTE_WH

acct.csv → ACCT_2022

File format

HRDW_DB_COLLAB.LAB_TRAINING.MY_CSV_FORMAT

Select existing or create in Worksheets ↗

What should happen if an error is encountered while loading a file?

Do not load any data (default)

Show SQL   Cancel   Back   **Load**

7. Load Data