


SQL 101

Snowflake Set-up

January 2023





1. Sign up

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



START YOUR 30-DAY FREE TRIAL

- Gain immediate access to the Data Cloud
- Enable your most critical data workloads
- Scale instantly, elastically, and near-infinately across public clouds
- Snowflake is HIPAA, PCI DSS, SOC 1 and SOC 2 Type 2 compliant, and FedRAMP Authorized



Get \$400 worth of free usage when you test drive Snowflake

Jonathan

Carothers

j_carothers@hotmail.com

Capital One

United States

By clicking the button below you understand that Snowflake will process your personal information in accordance with its [Privacy Notice](#)

CONTINUE

2. Choose options

Choose:

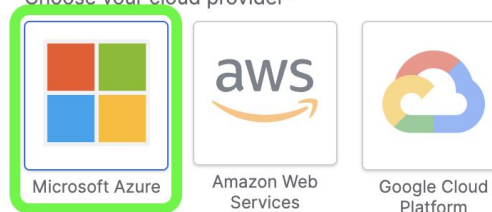
- Enterprise Edition
- Google Cloud Platform
- Nearest zone to you (e.g. US East 4 (N. Virginia))

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*



East US 2 (Virginia)

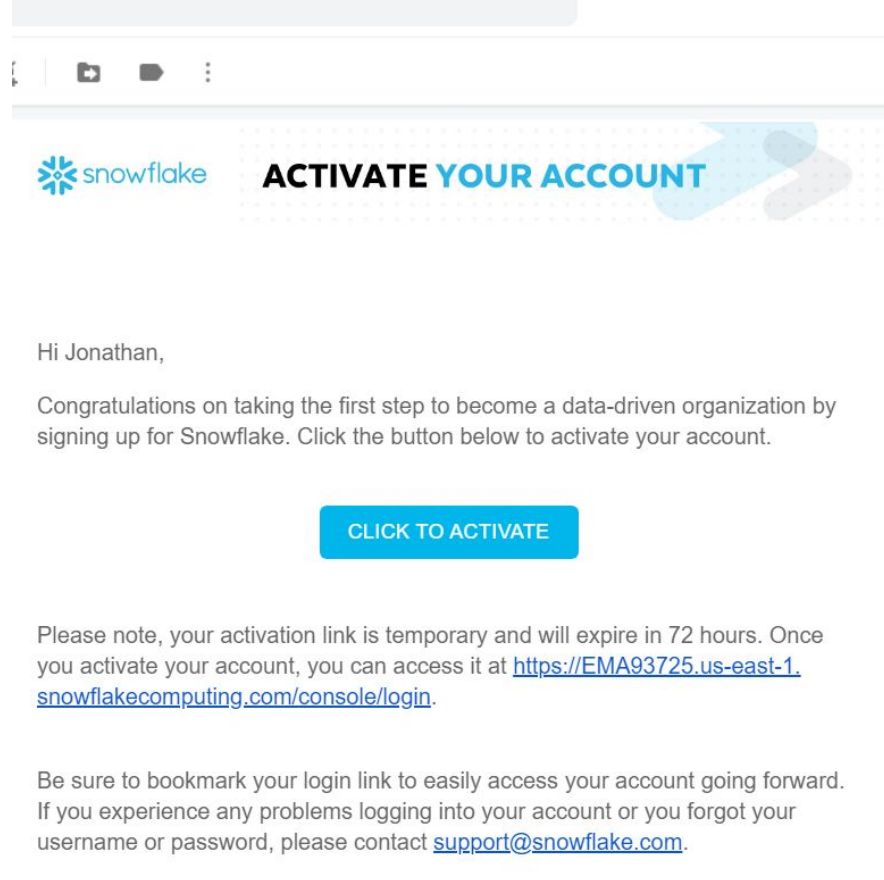
- ☒ Check to indicate that you have read and agree to the terms of the Snowflake Self Service On Demand Terms.

GET STARTED

3. Activate account

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

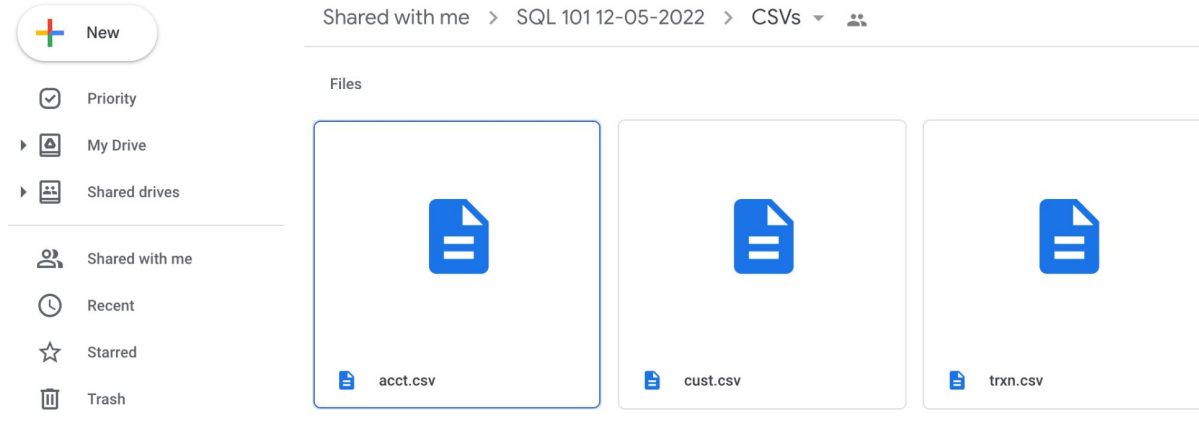
This will take you to a page where you create your username and password.



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:

```
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));
```

NC Nagarjuna Challa
ACCOUNTADMIN

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Data

Marketplace

Activity

Admin

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Worksheets

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TITLE	TYPE	VIEWED	UPDATED	ROLE
Tutorial 1: Sample queries on TPC-H data <small>Benchmarking Tutorials</small>	SQL		just now	ACCOUNTADMIN
Tutorial 2: Sample queries on TPC-DS data <small>Benchmarking Tutorials</small>	SQL		just now	ACCOUNTADMIN
Tutorial 3: TPC-DS 10TB Complete Query ... <small>Benchmarking Tutori...</small>	SQL		just now	ACCOUNTADMIN
Tutorial 4: TPC-DS 100TB Complete Query... <small>Benchmarking Tutor...</small>	SQL		just now	ACCOUNTADMIN
Benchmarking Tutorials	Folder		just now	

Click on the + button to create a new worksheet

< Worksheets 2023-09-12 2:00pm +

Databases Worksheets

25

ACCOUNTADMIN COMPUTE_WH Share

No Database selected Settings

1 USE WAREHOUSE COMPUTE_WH;
2 CREATE DATABASE HRDW_DB_COLLAB;
3 USE DATABASE HRDW_DB_COLLAB;
4 CREATE SCHEMA LAB_TRAINING;
5 USE SCHEMA LAB_TRAINING;
6
7 CREATE FILE FORMAT MY_CSV_FORMAT
8 TYPE = 'CSV'
9 FIELD_DELIMITER = ','
10 FIELD_OPTIONALLY_ENCLOSED_BY = ''''
11 SKIP_HEADER = 1;
12
13
14 CREATE TABLE ACCT_2023 (
15 ACCT_ID NUMBER(12,0),
16 CUST_ID NUMBER(10,0),
17 ACCT_OPEN_DT DATE,
18 ACCT_STATUS VARCHAR(15),
19 CARD_TYPE VARCHAR(20));
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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

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

▼ HRDW_DB_COLLAB

 > INFORMATION_SCHEMA

 ▼ LAB_TRAINING

 Tables

 ACCT_2022

 File Format

 PUBLIC

 SNOWFLAKE_SAMPLE_DATA

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

Step 2: click on the ellipses next to acct table and select Load Data option

Place Name in Editor

Add Columns in Editor

View Definition

Load Data

Load Data into Table

ACCT_2022

Drag and drop to upload files

or

Browse

or

Add from Stage

File size limit: 50MB

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

Delimited Files (CSV or TSV)

Customize a format

Delimited Files (CSV or TSV)

JSON

Parquet

Avro

ORC

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 (Default)

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