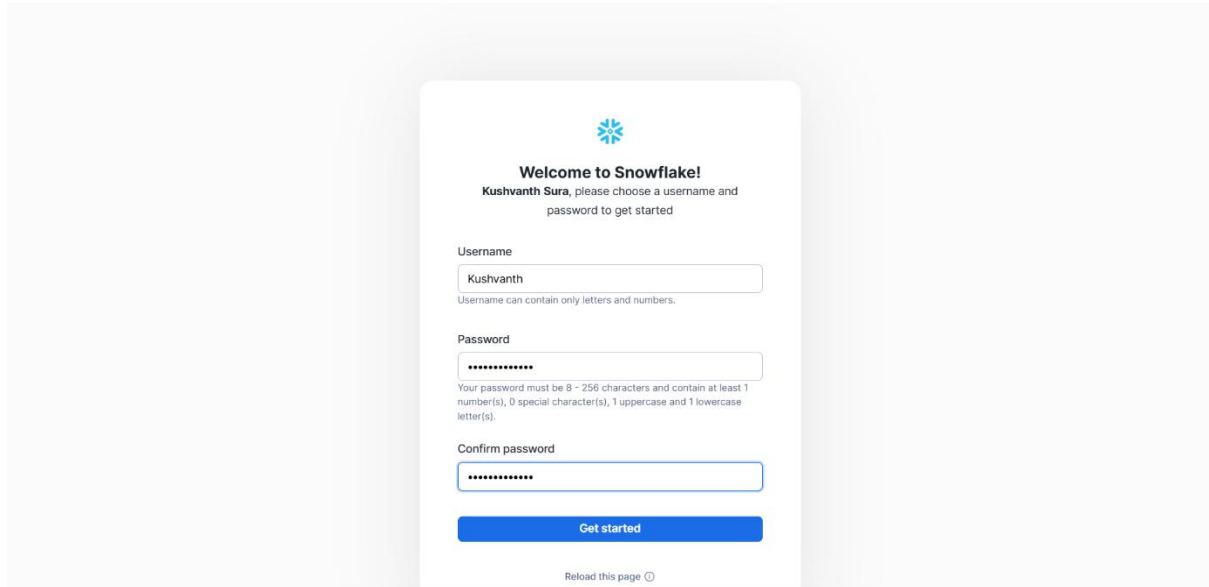


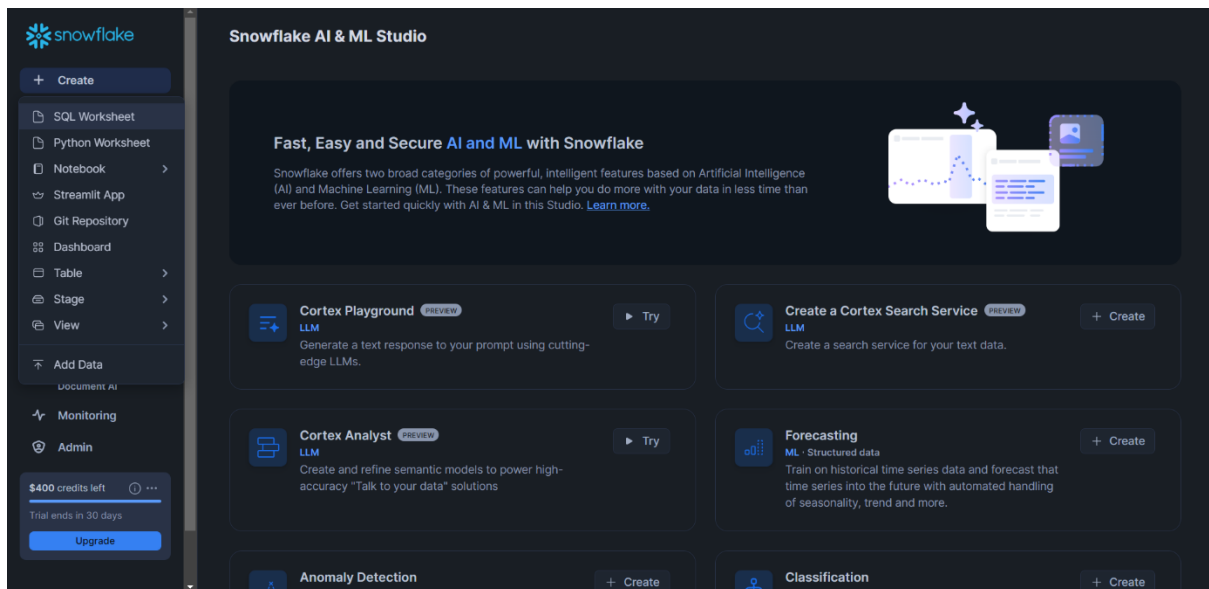
Snowflake Part of Project

Create a Snowflake Account from <https://app.snowflake.com/>



The image shows the Snowflake registration page. At the top is the Snowflake logo and the text "Welcome to Snowflake!". Below this, it says "Kushvanth Sura, please choose a username and password to get started". There are three input fields: "Username" with the value "Kushvanth", "Password" with masked characters, and "Confirm password" also with masked characters. A blue "Get started" button is at the bottom. A small note under the password field states: "Your password must be 8 - 256 characters and contain at least 1 number(s), 0 special character(s), 1 uppercase and 1 lowercase letter(s)". At the very bottom, there is a "Reload this page" link.

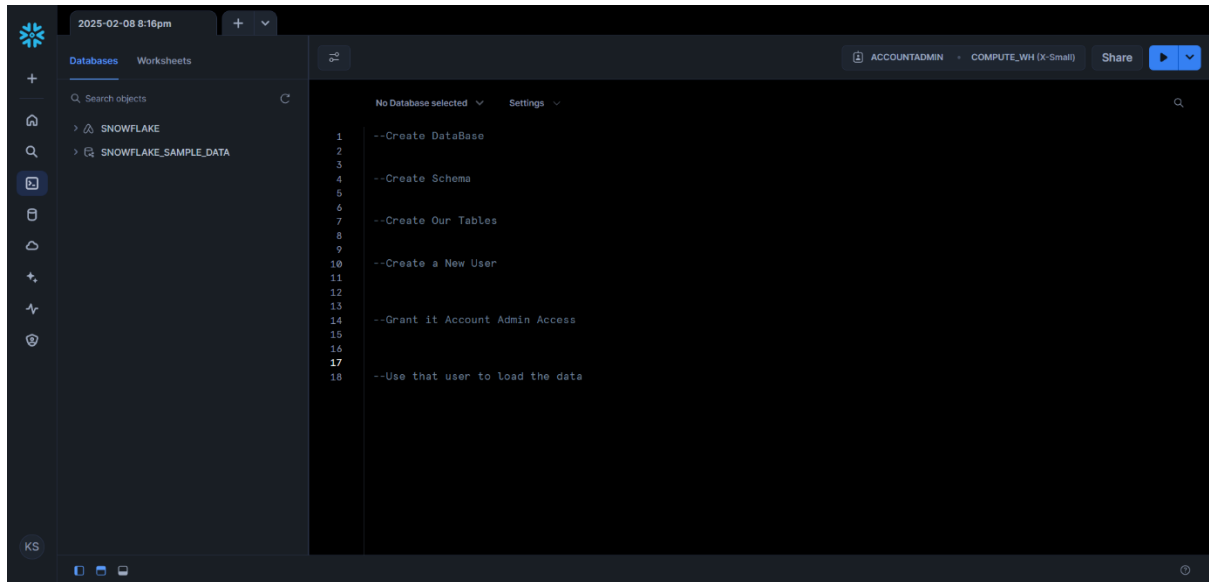
Enter into Snowflake Studio



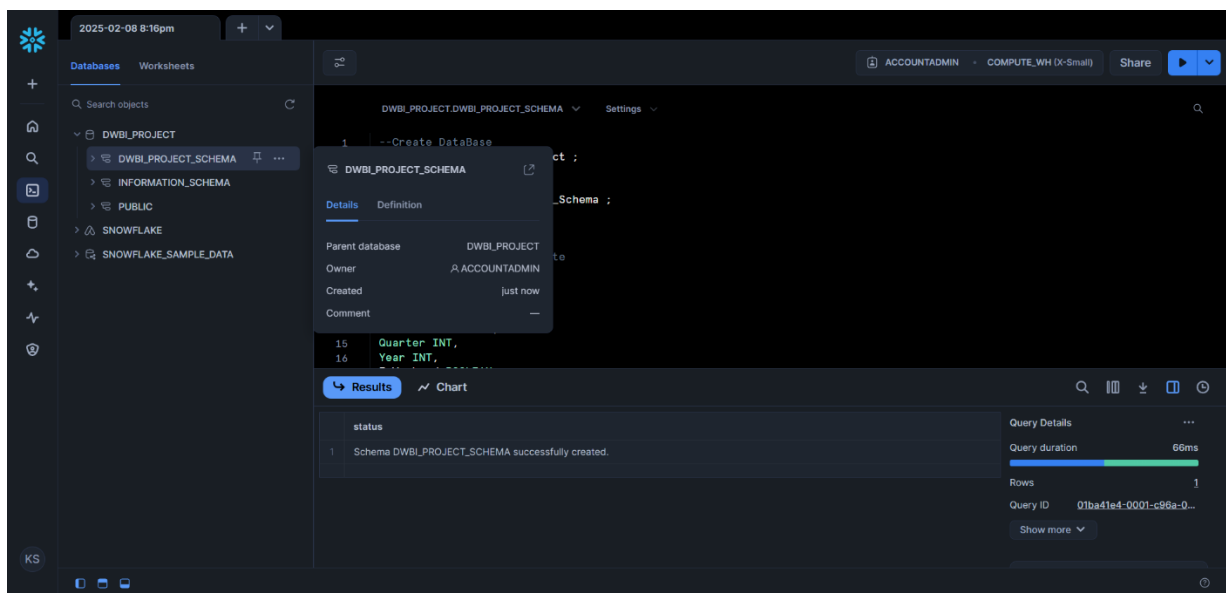
The image shows the Snowflake AI & ML Studio dashboard. On the left is a sidebar with the Snowflake logo and a "Create" button. Below it are links to "SQL Worksheet", "Python Worksheet", "Notebook", "Streamlit App", "Git Repository", "Dashboard", "Table", "Stage", and "View". Further down are "Add Data", "Monitoring", and "Admin". At the bottom of the sidebar, it shows "\$400 credits left" and a "Trial ends in 30 days" with an "Upgrade" button. The main area is titled "Snowflake AI & ML Studio" and features a header with the text "Fast, Easy and Secure AI and ML with Snowflake" and a "Learn more" link. Below the header are six cards for different AI/ML services: "Cortex Playground" (LLM), "Create a Cortex Search Service" (LLM), "Cortex Analyst" (LLM), "Forecasting" (ML - Structured data), "Anomaly Detection" (ML - Structured data), and "Classification" (ML - Structured data). Each card has a "Try" or "Create" button.

Snowflake Part of Project

Create Database for the Project

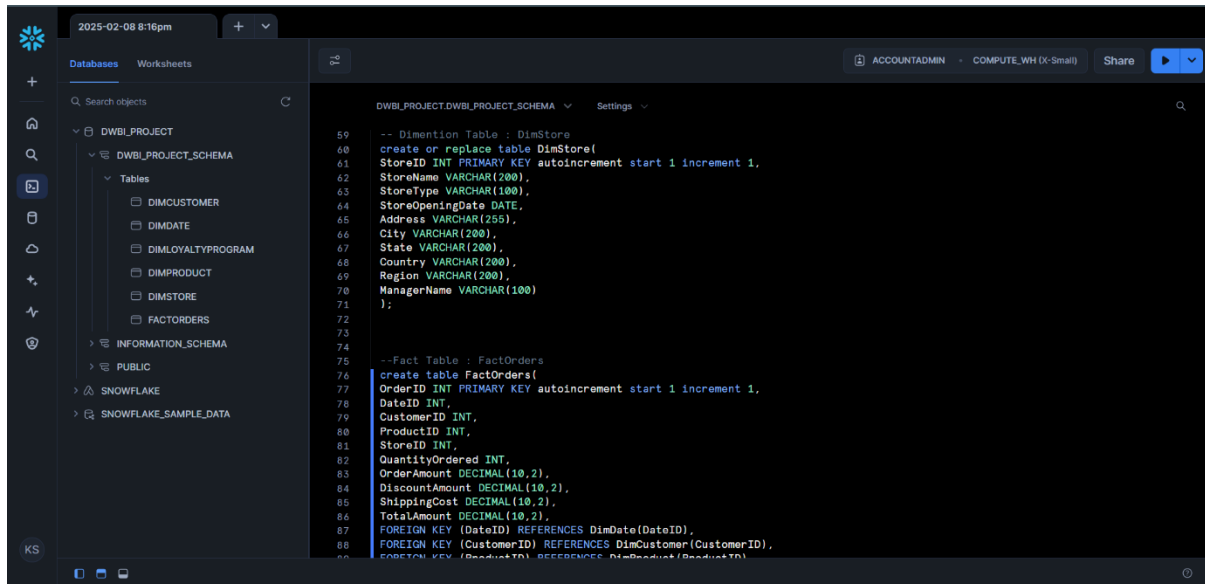


Create Schema in DB, refer to Snowflake.txt file for commands



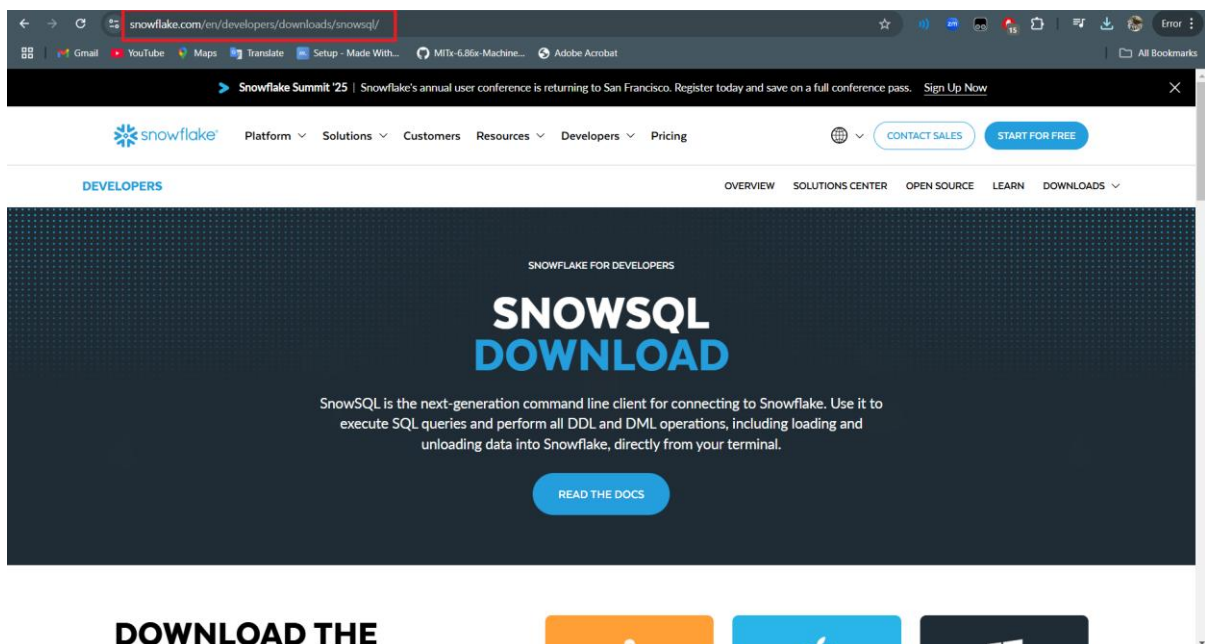
Snowflake Part of Project

Create Tables in Schema, refer to Snowflake.txt file for commands




After That Download SNOWSQL from:

<https://www.snowflake.com/en/developers/downloads/snowsql/>



Snowflake Part of Project

Snowflake Summit '25 | Snowflake's annual user conference is returning to San Francisco. Register today and save on a full conference pass. [Sign Up Now](#)

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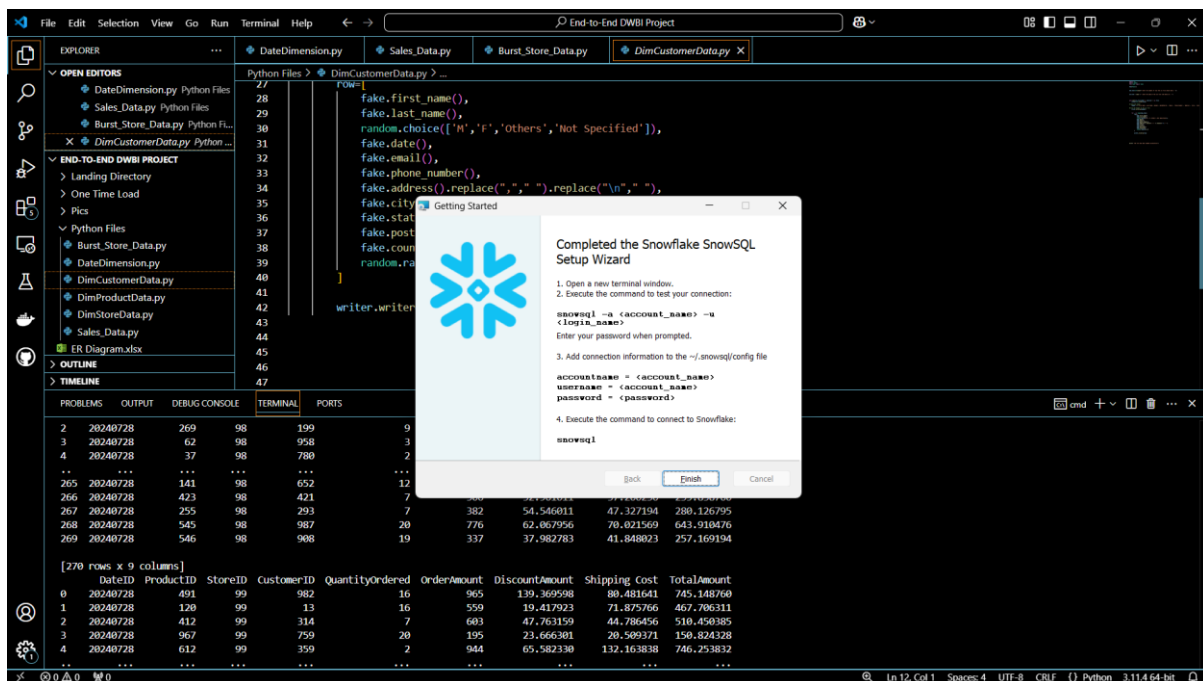
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Version	File Name	Architecture	Size	Release Date	SHA256 Checksum
1.3.3	snowsql-1.3.3-windows_x86_64.msi		38629 kB	2025-02-05T14:43:49	805bcaeb7f7b70240ffdad3e60e66c4b34890f45d9e30fc0c02a4f8b995f27b0
1.3.2	snowsql-1.3.2-windows_x86_64.msi		37945 kB	2024-08-12T10:10:48	c0757df2c8296119fbcf72188bf9e5d095507f2cc31333a0cb0c88e176d56a91
1.3.1	snowsql-1.3.1-windows_x86_64.msi		37937 kB	2024-06-28T10:34:01	d72d8ba8566a28742c73521a2ea173888b07396340dd424ab3bcb6193c0b4bce
1.3.0	snowsql-1.3.0-windows_x86_64.msi		31842 kB	2024-05-02T21:30:42	080bda5431bdb5a7f3dc0a7b318f362e22b9a9b954af79c1a6733c3a81582ced

Follow the Commands to setup SnowSQL with Snowflake



The screenshot shows a code editor with a Python script named `DimCustomerData.py` in the background. The script uses the `faker` library to generate random data for a customer dimension table. A `Terminal` window is open in the foreground, displaying the output of the script. A `Snowflake SnowSQL Setup Wizard` dialog box is overlaid on the terminal, providing instructions for setting up the Snowflake connection. The dialog includes the following steps:

- Open a new terminal window.
- Execute the command to test your connection:

```
snowsql -a <account_name> -u <login_name>
```

Enter your password when prompted.
- Add connection information to the `~/.snowsql/config` file:

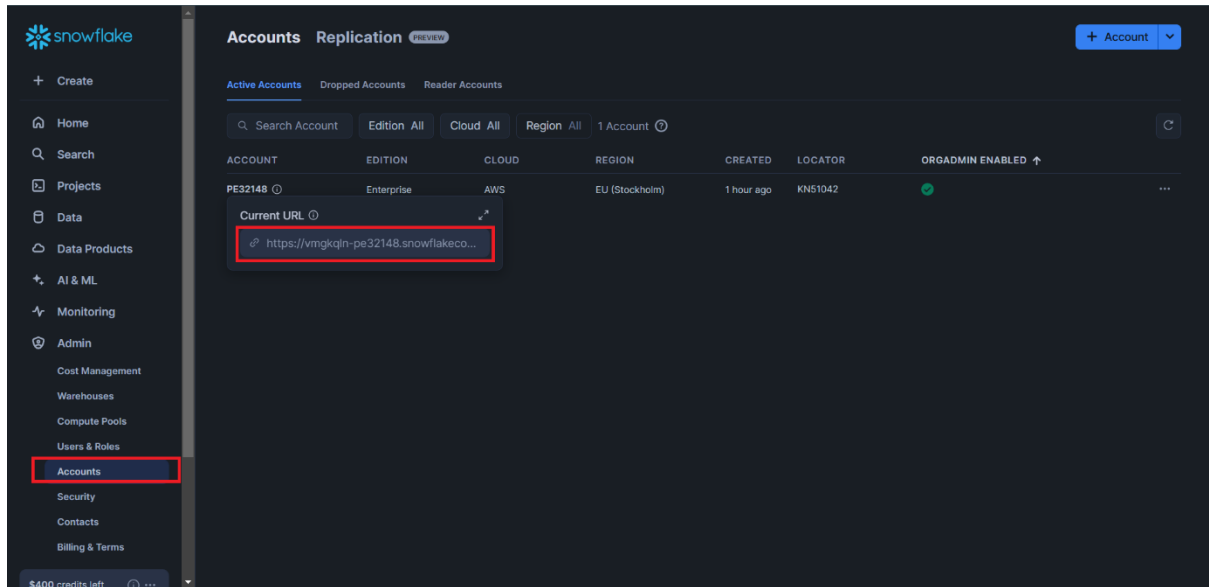
```
accountname = <account_name>
username = <account_name>
password = <password>
```
- Execute the command to connect to Snowflake:

```
snowsql
```

The dialog box has `Back`, `Finish`, and `Cancel` buttons. The terminal window shows the output of the script, which includes a table of 270 rows and 9 columns, with columns: `dateID`, `ProductID`, `StoreID`, `CustomerID`, `QuantityOrdered`, `OrderAmount`, `DiscountAmount`, `Shipping Cost`, and `TotalAmount`.

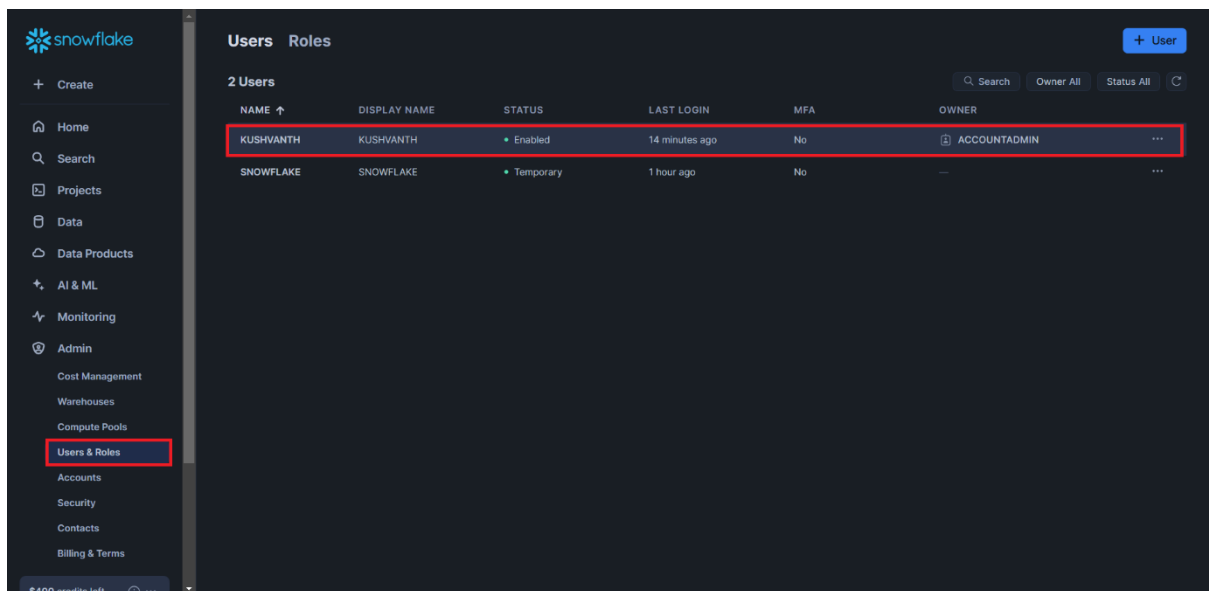
Snowflake Part of Project

To setup SnowSQL with Snowflake we need AccountName , UserName and Password



The screenshot shows the Snowflake web interface. On the left sidebar, the 'Accounts' menu item is highlighted with a red box. The main content area is titled 'Accounts' and 'Replication' (with a 'PREVIEW' tag). Below the title, there are tabs for 'Active Accounts', 'Dropped Accounts', and 'Reader Accounts'. A search bar and filters for 'Edition', 'Cloud', and 'Region' are present. A table lists accounts, with the first row highlighted by a red box. A tooltip for the 'Current URL' is shown, containing the URL 'https://vmgkqjn-pe32148.snowflakeco...'. The bottom of the sidebar shows '\$400 credits left'.

ACCOUNT	EDITION	CLOUD	REGION	CREATED	LOCATOR	ORGADMIN ENABLED
PE32148	Enterprise	AWS	EU (Stockholm)	1 hour ago	KN51042	Yes



The screenshot shows the Snowflake web interface. On the left sidebar, the 'Users & Roles' menu item is highlighted with a red box. The main content area is titled 'Users' and 'Roles'. Below the title, there are tabs for 'Search', 'Owner All', and 'Status All'. A table lists users, with the first row highlighted by a red box. The bottom of the sidebar shows '\$400 credits left'.

NAME	DISPLAY NAME	STATUS	LAST LOGIN	MFA	OWNER
KUSHVANTH	KUSHVANTH	Enabled	14 minutes ago	No	ACCOUNTADMIN
SNOWFLAKE	SNOWFLAKE	Temporary	1 hour ago	No	—

Snowflake Part of Project

Use Following Commands to Config SnowSQL, refer to Snowflake.txt file for commands

```
Microsoft Windows [Version 10.0.26100.3037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\2144ax>snowsql -a https://vmgkqln-pe32148.snowflakecomputing.com -o log_level=DEBUG
User: KUSHVANTH
Password:
250001 (n/a): Could not connect to Snowflake backend after 2 attempt(s).Aborting
If the error message is unclear, enable logging using -o log_level=DEBUG and see the log to find out the cause. Contact support for further help.
Goodbye!

C:\Users\2144ax>snowsql -a vmgkqln-pe32148
User: KUSHVANTH
Password:
* SnowSQL * v1.3.2
Type SQL statements or !help
KUSHVANTH@COMPUTE_WH@(no database).(no schema)>
```

```
Microsoft Windows [Version 10.0.26100.3037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\2144ax>snowsql -a https://vmgkqln-pe32148.snowflakecomputing.com -o log_level=DEBUG
User: KUSHVANTH
Password:
250001 (n/a): Could not connect to Snowflake backend after 2 attempt(s).Aborting
If the error message is unclear, enable logging using -o log_level=DEBUG and see the log to find out the cause. Contact support for further help.
Goodbye!

C:\Users\2144ax>snowsql -a vmgkqln-pe32148
User: KUSHVANTH
Password:
* SnowSQL * v1.3.2
Type SQL statements or !help
KUSHVANTH@COMPUTE_WH@(no database).(no schema)>use DATABASE DWBI_PROJECT;
+-----+
| status |
+-----+
| Statement executed successfully. |
+-----+
1 Row(s) produced. Time Elapsed: 0.317s
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.PUBLIC>use SCHEMA DWBI_PROJECT_SCHEMA;
+-----+
| status |
+-----+
| Statement executed successfully. |
+-----+
1 Row(s) produced. Time Elapsed: 0.232s
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.DWBI_PROJECT_SCHEMA>use ROLE ACCOUNTADMIN;
+-----+
| status |
+-----+
| Statement executed successfully. |
+-----+
1 Row(s) produced. Time Elapsed: 0.237s
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.DWBI_PROJECT_SCHEMA>
```

Snowflake Part of Project

```
1 Row(s) produced. Time Elapsed: 4.789s
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.DWBI_PROJECT_SCHEMA>PUT 'file:///C:/Users/2144ax/Downloads/End-to-End DWBI Project/One Time Load/DimCustomer/DimCustomerData.csv' @DWBI_PROJECT.DWBI_PROJECT_SCHEMA.DWBISTAGE/DimCustomerData/AUTO_COMPRESS=FALSE;

+-----+-----+-----+-----+-----+-----+-----+-----+
| source | target | source_size | target_size | source_compression | target_compression | status | message |
+-----+-----+-----+-----+-----+-----+-----+-----+
| DimCustomerData.csv | DimCustomerData.csv.gz | 1592590 | 662144 | NONE | GZIP | UPLOADED | |
+-----+-----+-----+-----+-----+-----+-----+-----+

1 Row(s) produced. Time Elapsed: 6.845s
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.DWBI_PROJECT_SCHEMA>PUT 'file:///C:/Users/2144ax/Downloads/End-to-End DWBI Project/One Time Load/DimDate/DimDate.csv' @DWBI_PROJECT.DWBI_PROJECT_SCHEMA.DWBISTAGE/DimDate/AUTO_COMPRESS=FALSE;
253006 (n/a): File doesn't exist: ['C:/Users/2144ax/Downloads/End-to-End DWBI Project/One Time Load/DimDate/DimDate.csv']
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.DWBI_PROJECT_SCHEMA>PUT 'file:///C:/Users/2144ax/Downloads/End-to-End DWBI Project/One Time Load/DimDate/DimDate.csv' @DWBI_PROJECT.DWBI_PROJECT_SCHEMA.DWBISTAGE/DimDate/AUTO_COMPRESS=FALSE;

+-----+-----+-----+-----+-----+-----+-----+-----+
| source | target | source_size | target_size | source_compression | target_compression | status | message |
+-----+-----+-----+-----+-----+-----+-----+-----+
| DimDate.csv | DimDate.csv.gz | 152600 | 22160 | NONE | GZIP | UPLOADED | |
+-----+-----+-----+-----+-----+-----+-----+-----+

1 Row(s) produced. Time Elapsed: 3.640s
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.DWBI_PROJECT_SCHEMA>PUT 'file:///C:/Users/2144ax/Downloads/End-to-End DWBI Project/One Time Load/DimLoyalty/DimLoyaltyInfo.csv' @DWBI_PROJECT.DWBI_PROJECT_SCHEMA.DWBISTAGE/DimLoyaltyInfo/AUTO_COMPRESS=FALSE;

+-----+-----+-----+-----+-----+-----+-----+-----+
| source | target | source_size | target_size | source_compression | target_compression | status | message |
+-----+-----+-----+-----+-----+-----+-----+-----+
| DimLoyaltyInfo.csv | DimLoyaltyInfo.csv.gz | 190 | 192 | NONE | GZIP | UPLOADED | |
+-----+-----+-----+-----+-----+-----+-----+-----+

1 Row(s) produced. Time Elapsed: 3.011s
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.DWBI_PROJECT_SCHEMA>PUT 'file:///C:/Users/2144ax/Downloads/End-to-End DWBI Project/One Time Load/DimProductData/DimProductData.csv' @DWBI_PROJECT.DWBI_PROJECT_SCHEMA.DWBISTAGE/DimProductData/AUTO_COMPRESS=FALSE;

+-----+-----+-----+-----+-----+-----+-----+-----+
| source | target | source_size | target_size | source_compression | target_compression | status | message |
+-----+-----+-----+-----+-----+-----+-----+-----+
| DimProductData.csv | DimProductData.csv.gz | 4637 | 1328 | NONE | GZIP | UPLOADED | |
+-----+-----+-----+-----+-----+-----+-----+-----+

1 Row(s) produced. Time Elapsed: 3.176s
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.DWBI_PROJECT_SCHEMA>PUT 'file:///C:/Users/2144ax/Downloads/End-to-End DWBI Project/One Time Load/DimStoreData/DimStoreData.csv' @DWBI_PROJECT.DWBI_PROJECT_SCHEMA.DWBISTAGE/DimStoreData/AUTO_COMPRESS=FALSE;

+-----+-----+-----+-----+-----+-----+-----+-----+
| source | target | source_size | target_size | source_compression | target_compression | status | message |
+-----+-----+-----+-----+-----+-----+-----+-----+
| DimStoreData.csv | DimStoreData.csv.gz | 13058 | 5904 | NONE | GZIP | UPLOADED | |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| source | target | source_size | target_size | source_compression | target_compression | status | message |
+-----+-----+-----+-----+-----+-----+-----+-----+
| DimStoreData.csv | DimStoreData.csv.gz | 13058 | 5904 | NONE | GZIP | UPLOADED | |
+-----+-----+-----+-----+-----+-----+-----+-----+

1 Row(s) produced. Time Elapsed: 3.266s
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.DWBI_PROJECT_SCHEMA>PUT 'file:///C:/Users/2144ax/Downloads/End-to-End DWBI Project/One Time Load/Fact Orders/factorders.csv' @DWBI_PROJECT.DWBI_PROJECT_SCHEMA.DWBISTAGE/factorders/AUTO_COMPRESS=FALSE;

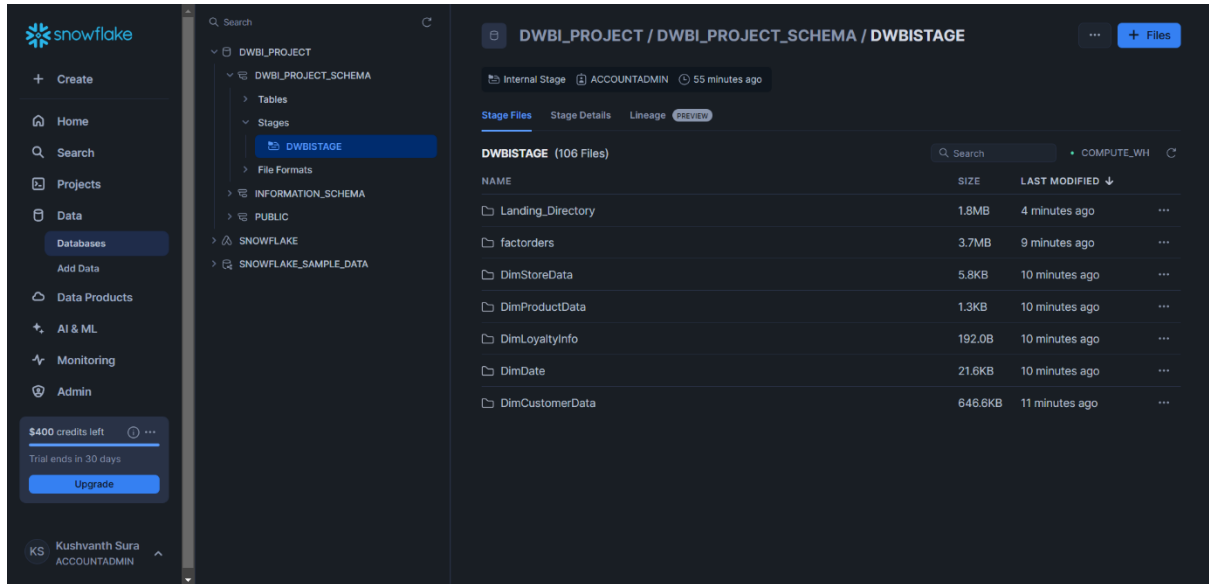
+-----+-----+-----+-----+-----+-----+-----+-----+
| source | target | source_size | target_size | source_compression | target_compression | status | message |
+-----+-----+-----+-----+-----+-----+-----+-----+
| factorders.csv | factorders.csv.gz | 8210240 | 3922224 | NONE | GZIP | UPLOADED | |
+-----+-----+-----+-----+-----+-----+-----+-----+

1 Row(s) produced. Time Elapsed: 6.920s
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.DWBI_PROJECT_SCHEMA>PUT 'file:///C:/Users/2144ax/Downloads/End-to-End DWBI Project/Landing Directory/*.csv' @DWBI_PROJECT.DWBI_PROJECT_SCHEMA.DWBISTAGE/Landing_Directory/AUTO_COMPRESS=FALSE;
001003 (42000): SQL compilation error:
syntax error line 1 at position 148 unexpected '/'
KUSHVANTH@COMPUTE_WH@DWBI_PROJECT.DWBI_PROJECT_SCHEMA>PUT 'file:///C:/Users/2144ax/Downloads/End-to-End DWBI Project/Landing Directory/*.csv' @DWBI_PROJECT.DWBI_PROJECT_SCHEMA.DWBISTAGE/Landing_Directory/AUTO_COMPRESS=FALSE;

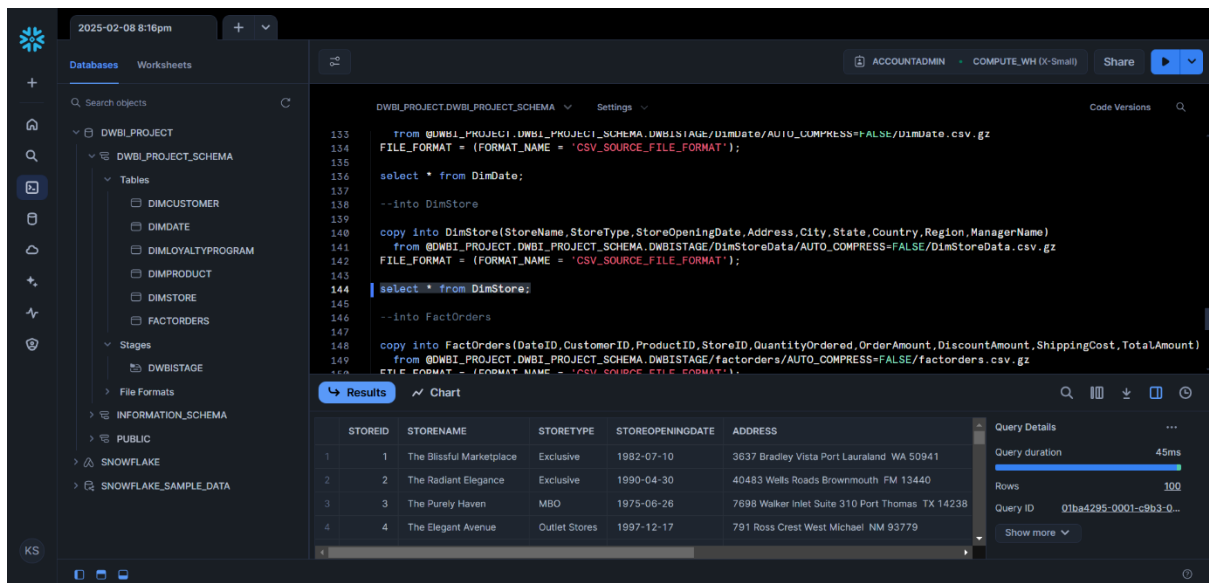
+-----+-----+-----+-----+-----+-----+-----+-----+
| source | target | source_size | target_size | source_compression | target_compression | status | message |
+-----+-----+-----+-----+-----+-----+-----+-----+
| Store_100_20240728.csv | Store_100_20240728.csv.gz | 40877 | 19088 | NONE | GZIP | UPLOADED | |
| Store_10_20240728.csv | Store_10_20240728.csv.gz | 37154 | 17520 | NONE | GZIP | UPLOADED | |
| Store_11_20240728.csv | Store_11_20240728.csv.gz | 68567 | 31648 | NONE | GZIP | UPLOADED | |
| Store_12_20240728.csv | Store_12_20240728.csv.gz | 54088 | 25152 | NONE | GZIP | UPLOADED | |
| Store_13_20240728.csv | Store_13_20240728.csv.gz | 42475 | 19936 | NONE | GZIP | UPLOADED | |
| Store_14_20240728.csv | Store_14_20240728.csv.gz | 54398 | 25232 | NONE | GZIP | UPLOADED | |
| Store_15_20240728.csv | Store_15_20240728.csv.gz | 47762 | 22352 | NONE | GZIP | UPLOADED | |
| Store_16_20240728.csv | Store_16_20240728.csv.gz | 62717 | 29088 | NONE | GZIP | UPLOADED | |
| Store_17_20240728.csv | Store_17_20240728.csv.gz | 60157 | 27888 | NONE | GZIP | UPLOADED | |
| Store_18_20240728.csv | Store_18_20240728.csv.gz | 50191 | 23424 | NONE | GZIP | UPLOADED | |
| Store_19_20240728.csv | Store_19_20240728.csv.gz | 37891 | 17856 | NONE | GZIP | UPLOADED | |
| Store_1_20240728.csv | Store_1_20240728.csv.gz | 24897 | 11936 | NONE | GZIP | UPLOADED | |
| Store_20_20240728.csv | Store_20_20240728.csv.gz | 45232 | 21200 | NONE | GZIP | UPLOADED | |
| Store_21_20240728.csv | Store_21_20240728.csv.gz | 16969 | 8112 | NONE | GZIP | UPLOADED | |
| Store_22_20240728.csv | Store_22_20240728.csv.gz | 47779 | 22384 | NONE | GZIP | UPLOADED | |
| Store_23_20240728.csv | Store_23_20240728.csv.gz | 19095 | 9152 | NONE | GZIP | UPLOADED | |
| Store_24_20240728.csv | Store_24_20240728.csv.gz | 23579 | 11248 | NONE | GZIP | UPLOADED | |
| Store_25_20240728.csv | Store_25_20240728.csv.gz | 81778 | 37488 | NONE | GZIP | UPLOADED | |
| Store_26_20240728.csv | Store_26_20240728.csv.gz | 33342 | 15808 | NONE | GZIP | UPLOADED | |
| Store_27_20240728.csv | Store_27_20240728.csv.gz | 35583 | 16832 | NONE | GZIP | UPLOADED | |
| Store_28_20240728.csv | Store_28_20240728.csv.gz | 26385 | 12560 | NONE | GZIP | UPLOADED | |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

Snowflake Part of Project

Once The Test Data We Generated using Python earlier and uploading them to Schema using commands shown in previous Screenshots, you able to see your Snowflake Stage has data loaded in it and read to be Uploaded into The Table we Created earlier

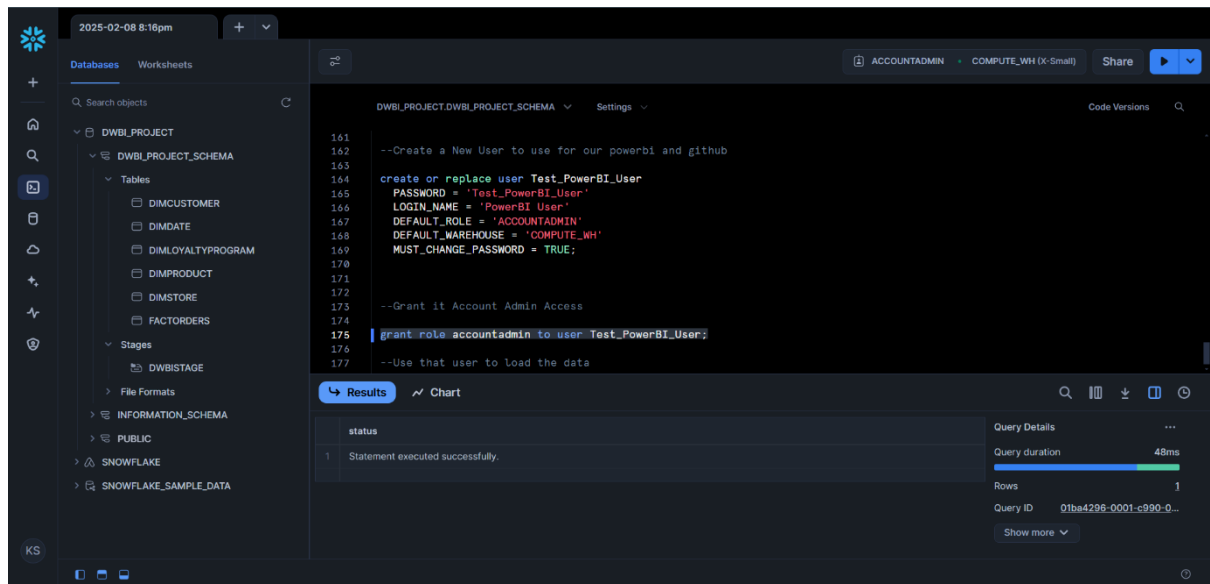


Using sql commands we load data into respective tables, refer to Snowflake.txt file for commands

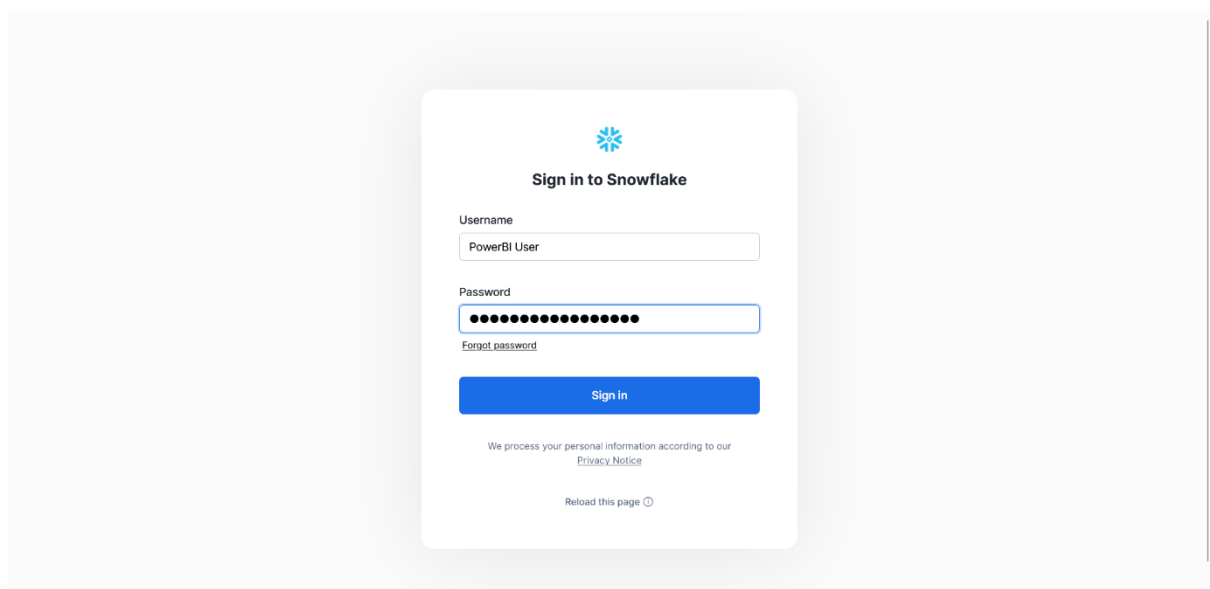


Snowflake Part of Project

Once the data required is loaded into our tables, we go ahead and create a new.



Login into new user to do data analysis using SQL queries.



Snowflake Part of Project

