



Controlling SNOWFLAKE Using SNOWSQL – CLI(Command Line Interface)



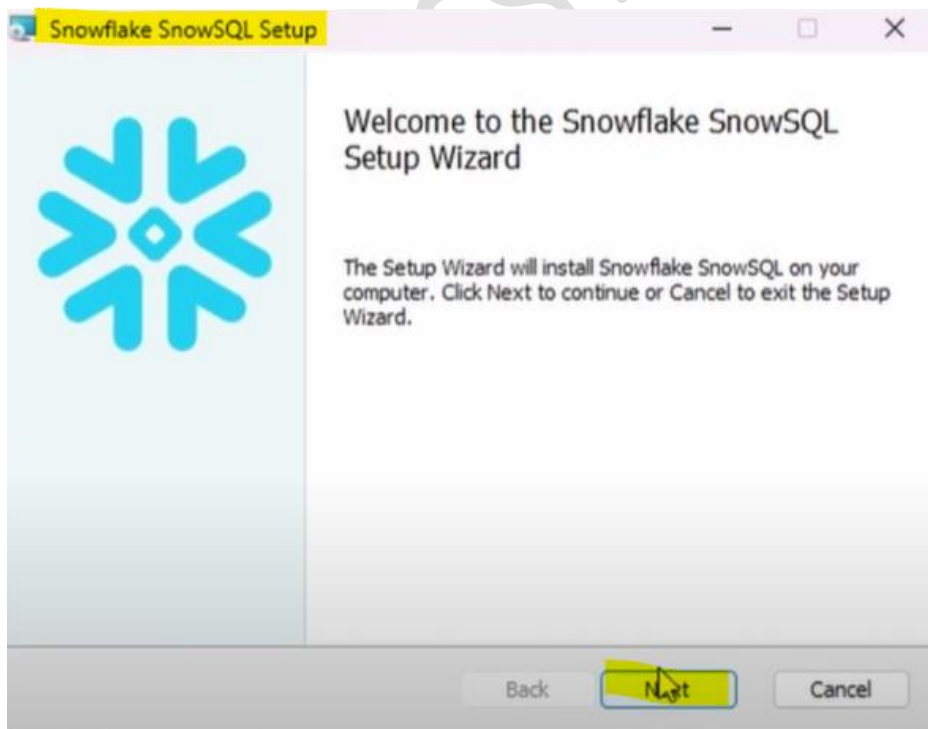
Reference : <https://docs.snowflake.com/en/user-guide/snowsql-install-config>

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

Step 1: Download the installer file for Windows/Mac/Linux based on your OS

Version	File Name	Architecture	Size	Release Date	SHA256 Checksum
1.3.2	snowsql-1.3.2-windows_x86_64.msi	windows_x86_64	37945 kB	2024-08-12T10:10:48	c0757d2c6294119fbf72188bf9e5d0955072cc31333a0cb0c88e176d56a91
1.3.2	snowsql-1.3.2-windows_x86_64.msi	windows_x86_64	37945 kB	2024-08-12T10:10:48	c0757d2c6294119fbf72188bf9e5d0955072cc31333a0cb0c88e176d56a91
1.3.2	snowsql-1.3.2-windows_x86_64.msi	windows_x86_64	37945 kB	2024-08-12T10:10:48	c0757d2c6294119fbf72188bf9e5d0955072cc31333a0cb0c88e176d56a91
1.3.1	snowsql-1.3.1-windows_x86_64.msi	windows_x86_64	37937 kB	2024-06-28T10:34:01	d72d8ba8546a28762c73521a2ea173888b07396340d6424ab3bcb0193c0b4bce

Step 2: Run the installer

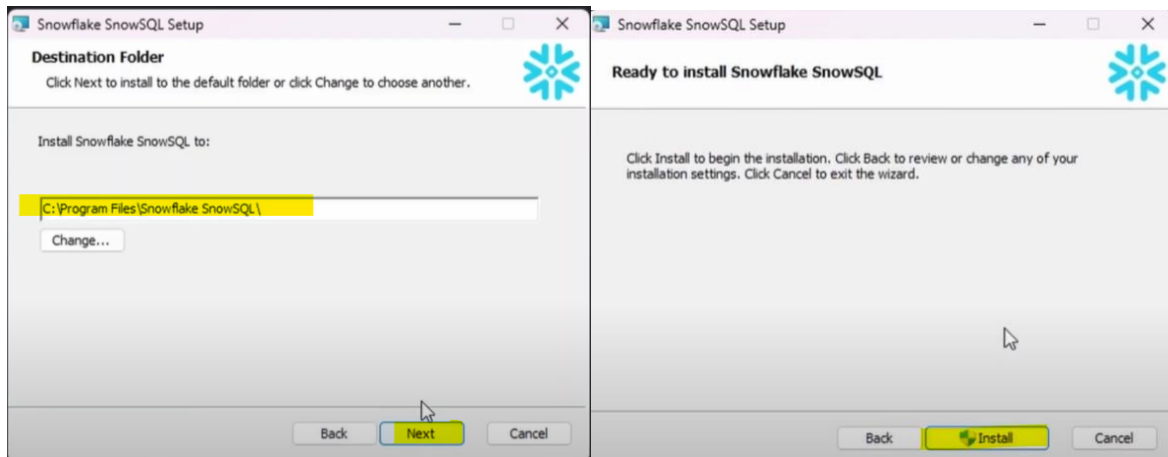




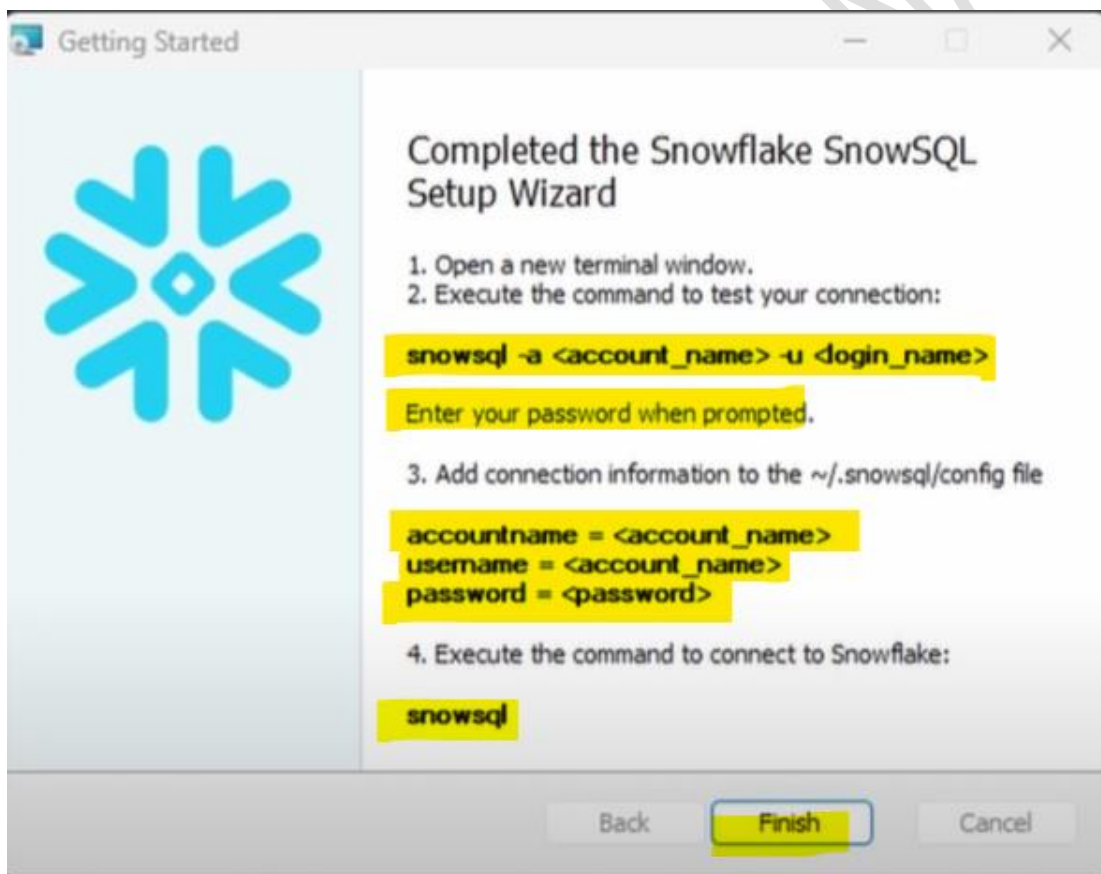
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Step 3 : Install in the default path



Step 4 : Once installed, open the terminal/cmd in you system and feed below creddentials





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Step 5 : Run snowsql and see if you get the below screen for successful installation.

```
PS C:\Users\Anand Jha> snowsql
Usage: snowsql [OPTIONS]

Options:
  -a, --accountname TEXT      Name assigned to your Snowflake account. If
                              you are not on us-west-2 or AWS deployment,
                              append the region and platform to the end,
                              e.g., <account>.<region> or
                              <account>.<region>.<platform>Honors
                              $SNOWSQL_ACCOUNT.

  -u, --username TEXT        Username to connect to Snowflake. Honors
                              $SNOWSQL_USER.

  -d, --dbname TEXT          Database to use. Honors $SNOWSQL_DATABASE.
  -s, --schemaname TEXT      Schema in the database to use. Honors
                              $SNOWSQL_SCHEMA.

  -r, --rolename TEXT        Role name to use. Honors $SNOWSQL_ROLE.
  -w, --warehouse TEXT       Warehouse to use. Honors $SNOWSQL_WAREHOUSE.
  -h, --host TEXT            Host address for the connection. Honors
                              $SNOWSQL_HOST.
```

Step 6 : Type `snowsql -a <snowflake_account_identifier> -u <snowflake_username>` as shown below. If parameters are correct, it will prompt for password. If your input password is correct you will see **SnowSQL** with version details that means you have successfully connected with **SNOWFLAKE** using **Command Line Interface(CLI)**. It will show default warehouse without any database details.

```
PS C:\Users\Anand Jha> snowsql -a fyxjxj-ot90647 -u analyticswithanand
Password:
* SnowSQL * v1.3.2
Type SQL statements or !help
analyticswithanand#COMPUTE_WH@(no database).(no schema)>!exit
Goodbye!
```



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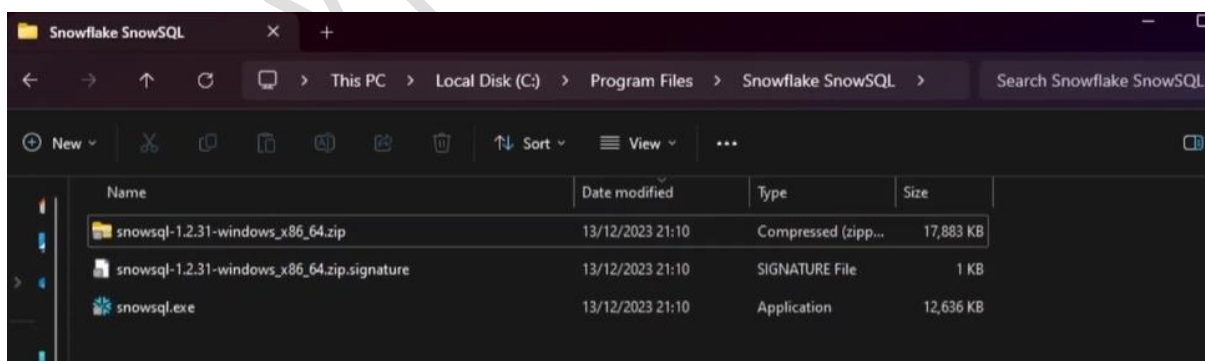


Step7 : Then use appropriate snowflake commands in order to connect to **warehouse**, **database**, **schema** and then run your **SQL SCRIPT** as shown below.

```
* SnowSQL * v1.3.2
Type SQL statements or !help
analyticswithanand#COMPUTE_WH@(no database).(no schema)>USE DATABASE DEMO_DATABASE;
+-----+
| status |
+-----+
| Statement executed successfully. |
+-----+
1 Row(s) produced. Time Elapsed: 0.139s
analyticswithanand#COMPUTE_WH@DEMO_DATABASE.PUBLIC>USE WAREHOUSE DEMO_WAREHOUSE;
+-----+
| status |
+-----+
| Statement executed successfully. |
+-----+
1 Row(s) produced. Time Elapsed: 0.113s
analyticswithanand#DEMO_WAREHOUSE@DEMO_DATABASE.PUBLIC>USE SCHEMA DEMO_SCHEMA;
+-----+
| status |
+-----+
| Statement executed successfully. |
+-----+
1 Row(s) produced. Time Elapsed: 0.113s
analyticswithanand#DEMO_WAREHOUSE@DEMO_DATABASE.DEMO_SCHEMA>SELECT * FROM SALES_REGION_DATA;
+-----+-----+-----+-----+
| REGION | ORDER_DATE | ORDER_ID | AMOUNT |
+-----+-----+-----+-----+
| North  | 2024-01-15 | 1        | 500.00 |
| North  | 2024-03-05 | 5        | 600.00 |
| South  | 2024-01-20 | 2        | 700.00 |
| East   | 2024-02-18 | 4        | 200.00 |
+-----+-----+-----+-----+
4 Row(s) produced. Time Elapsed: 0.521s
analyticswithanand#DEMO_WAREHOUSE@DEMO_DATABASE.DEMO_SCHEMA>!exit
Goodbye!
```

Note : Anytime if you want to close connection type **!exit**

Step 8 : Navigate to below path where **SNOWSQL** have been installed and unzip the folder

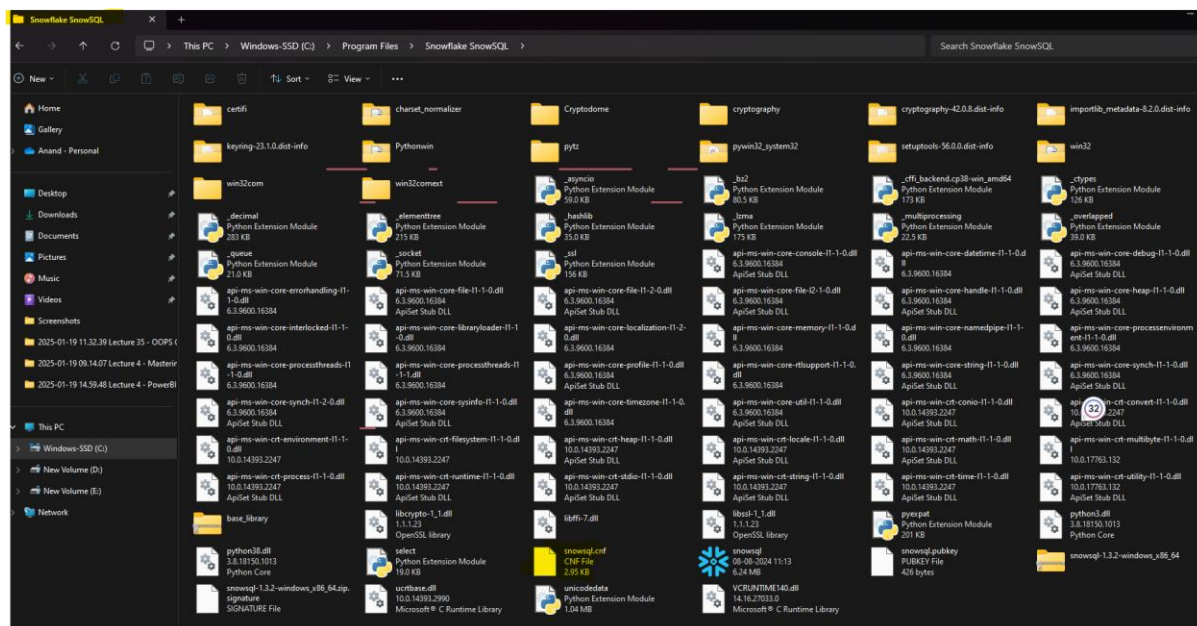




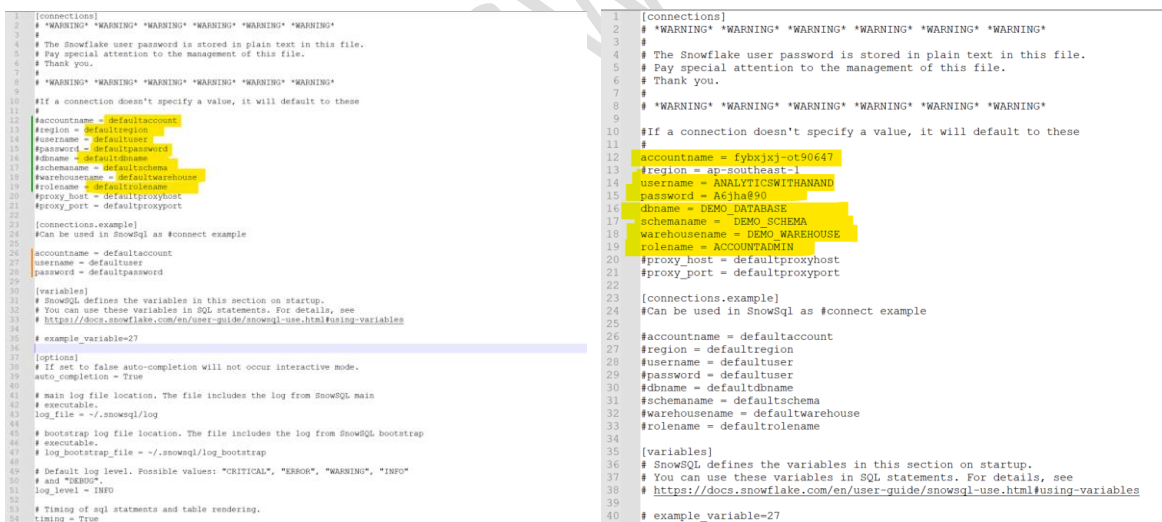
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Step 9 : Once unzipped/extracted, you will see all the list of below files. Click on the highlighted **snowsql.cnf** file and open it in **notepad**.



Step 10. Uncomment from line no 12 till 19(remove #) and give the desired input by copying it from snowflake credentials and **save** it so that next time you login to your **snowsql**, u need not have to give username and password which we did before.



So on typing **snowsql**, automatically it will get connected to your database as specified above and you can now interact with all your tables and views in that particular database.

