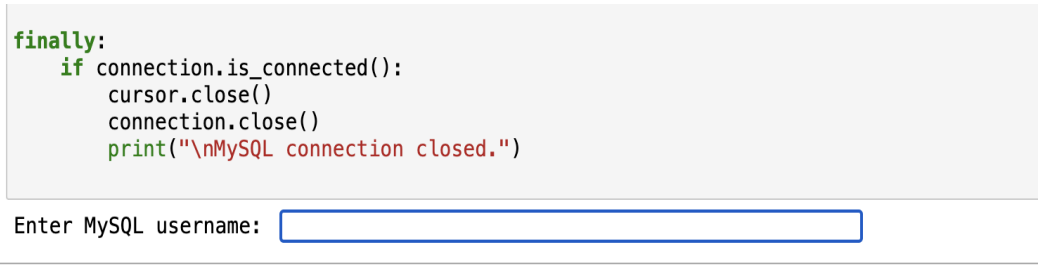
Code Instructions

**** Please open file named “milestone3code.ipynb”**

❖ SQL Executer

- Open the ipynb file in Jupyter Notebook
- Run the first cell to install the mysql-connector-python package and all the other packages, if it is not already there in your system.
- Please restart your python kernel as to load the dependencies in your notebook
- After that once the package has been installed, run the second cell which has all the code in it connecting the mysql database with Python and the queries to output the result.
- Input the required credentials for your localhost or the MYSQL server credentials in the prompt that are given below:



host="CSSQL",
user="mm_team03_02",
password="mm_team03_02Pass-",
database="mm_team03_02"

- A new Query Executer window will open up after the cell has successfully run.
- In that window select the query number you want to execute.
- While you are selecting the different query number, the query description and the input text box will also be updated as per the query requirements.
- For a specific query, input the parameter that is required and then click on the Execute Query button on top of the input cell.
- The output window will show the results of the query according to the inputs entered.
- You can also download the results in your current working directory in form of PDF file or excel file.

Elite Section

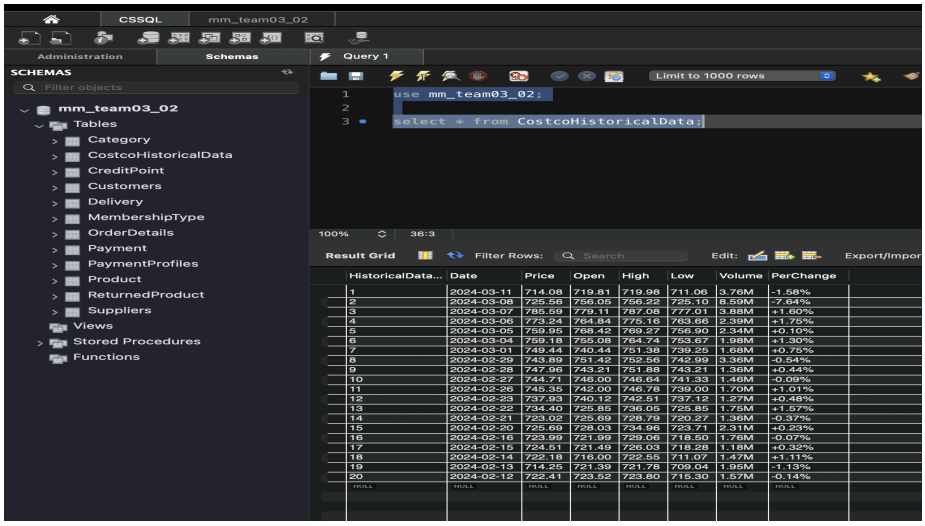
Please open file named “milestone3EliteCode.ipynb”

- Run the first cell to install the mysql-connector-python package and all the other packages, if it is not already there in your system.
- Please restart your python kernel as to load the dependencies in your notebook

❖ Web Scraping into database

- Please change the path of the Chrome Driver as per your system in the following variable i.e “**path**”
- Running the cell will make connection with our server database and will truncate the table in the database and then will scrape some data from the mentioned website (https://www.investing.com/equities/costco-whsl-corp-new-historical-data) and will store it in table named **‘CostcoHistoricalData’**
- For table **‘CostcoHistoricalData’**, there is no relation defined for this mentioned table with the existing tables as it has been scraped from the web and shows us the stock values of costco retail.

Credentials for Web Scraping RDS
Host = "CSSQL**",**
User = "mm_team03_02**",**
Password = "mm_team03_02Pass-**",**
Database = "mm_team03_02**"**

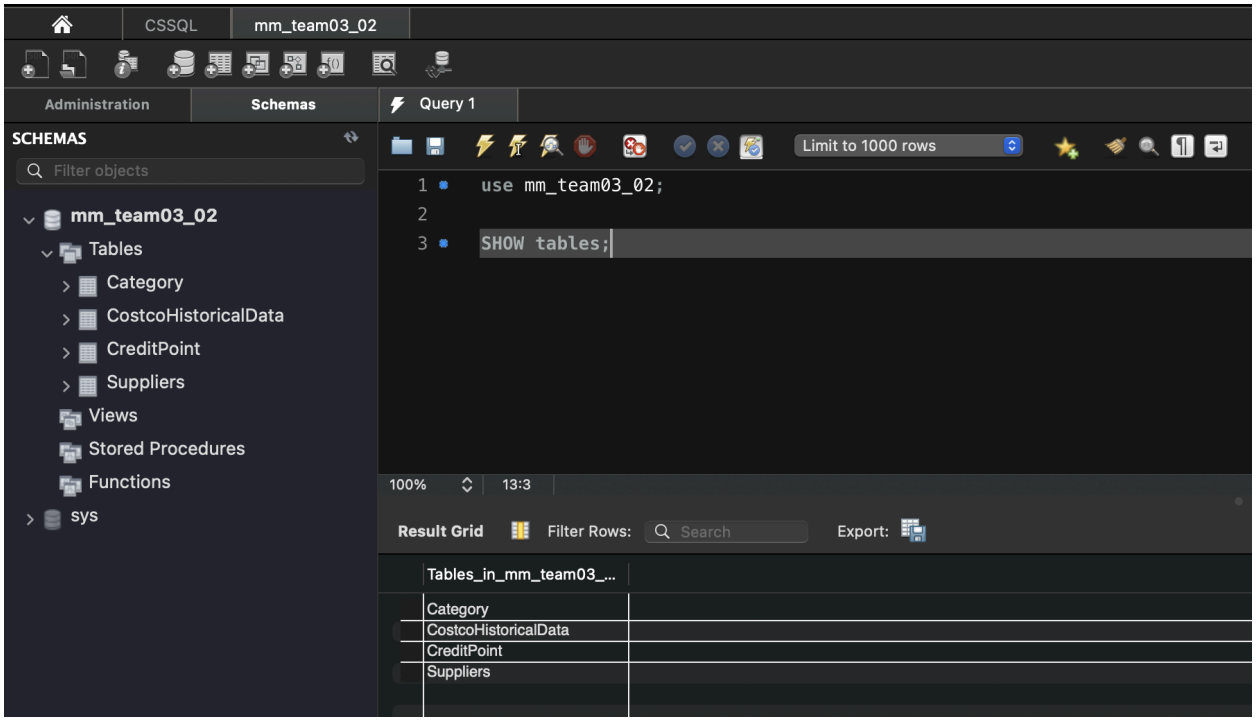


❖ Transferring Some data from MySQL to RDS

- Running the cells will make connections with MYSQL database and the RDS database and will fetch 4 of the mentioned tables in the code from the MYSQL database and will transfer it to the RDS database.

Tables Moved: 'Category', 'Suppliers','CreditPoint','CostcoHistoricalData'

For verification use the Credentials for RDS
Host = "mmteam0302.c980u2qks34p.us-east-1.rds.amazonaws.com"
User = "admin"
Password = "mm_team03_02Pass-"
Database = "mm_team03_02"



❖ Transferring Some data from MySQL to MongoDB

- Running the cell will make connection with MYSQL database and the MongoDB database and will fetch 4 of the mentioned tables in the code from the MYSQL database and will transfer it to the MongoDB database.

Tables: 'Category', 'Suppliers','CreditPoint','CostcoHistoricalData'

MongoDB connectionString:
‘mongodb+srv://mm_team03_02:mm_team03_02Pass-@atlascluster.h475k3h.mongodb.net/’