**Project Phase-3** 

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# Screenshots that you successfully can import and use libraries

## Installing Python

```
C:\Users\nandi>python
Python 3.10.7 (main, Sep 11 2022, 17:39:25) [GCC 12.2.0 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> _
```

# Installing psycopg2

```
C:\Users\nandi>pip3 install psycopg2
Collecting psycopg2
Using cached psycopg2-2.9.5-cp311-cp311-win_amd64.whl (1.2 MB)
Installing collected packages: psycopg2
Successfully installed psycopg2-2.9.5
```

#### Installing pandas

```
C:\Users\nandi>pip3 install pandas

Requirement already satisfied: pandas in c:\users\nandi\appdata\local\programs\python\python311\lib\site-packages (1.5.1)

Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\nandi\appdata\local\programs\python\python311\lib\site-packages (from pandas) (2.8.2)

Requirement already satisfied: pytz>=2020.1 in c:\users\nandi\appdata\local\programs\python\python311\lib\site-packages (from pandas) (2022.6)

Requirement already satisfied: numpy>=1.21.0 in c:\users\nandi\appdata\local\programs\python\python311\lib\site-packages (from pandas) (1.23.4)

Requirement already satisfied: six>=1.5 in c:\users\nandi\appdata\local\programs\python\python311\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)
```

It's showing that 'pandas' is already installed.

### Screenshots that you successfully established your connection with Postgres

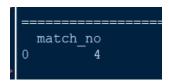
# 2 new questions

1. Write a query in SQL to find the total number of goalless draws have there in the entire tournament.

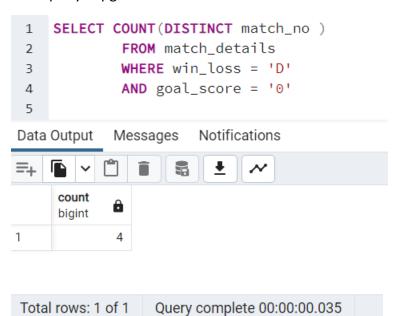
```
ANS: SELECT COUNT(DISTINCT match_no FROM match_details WHERE win_loss = 'D' AND goal_score = '0'
```

Output using Python:

No. of rows returned: 1



Output of same query in pgAdmin:



2. write a SQL query to find the highest audience match. Return match\_no, play\_stage, audience.

ANS: SELECT match\_no, play\_stage, audience FROM match\_mast
WHERE audience=(SELECT max(audience) FROM match\_mast);

Output using Python:

No. of rows returned: 1

Output of same query in pgAdmin:

