LAB 10

Front-End Development

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We connect the database using PYTHON. First we install the "psycopg2" using the "pip install psycopg2" command.

Then we connect the out database using below code:

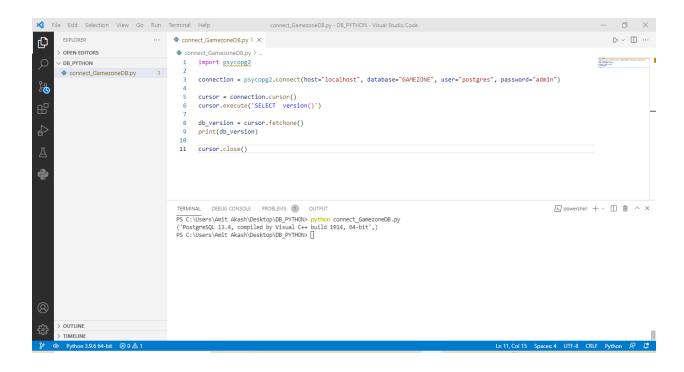
```
import psycopg2

connection = psycopg2.connect(host="localhost", database="GAMEZONE",
    user="postgres", password="admin")

cursor = connection.cursor()
    cursor.execute('SELECT version()')

db_version = cursor.fetchone()
    print(db_version)

cursor.close()
```



• WE run the query to print the "manager" relation in our database.

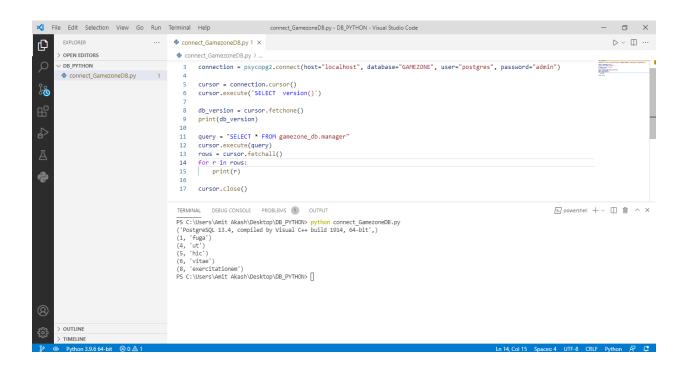
Code:

```
import psycopg2
connection = psycopg2.connect(host="localhost", database="GAMEZONE",
user="postgres", password="admin")
cursor = connection.cursor()
cursor.execute('SELECT version()')

db_version = cursor.fetchone()
print(db_version)

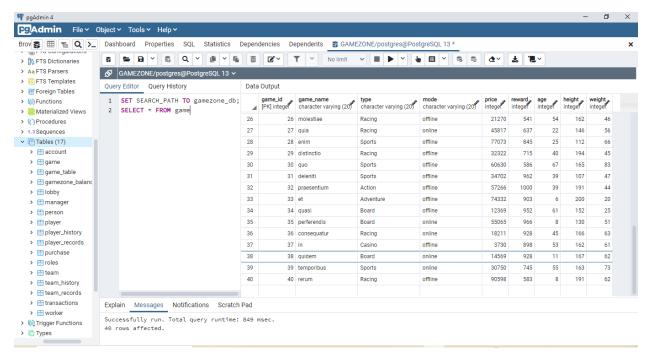
query = "SELECT * FROM gamezone_db.manager"
cursor.execute(query)
rows = cursor.fetchall()
for r in rows:
    print(r)

cursor.close()
```



• We are going to run a query to add one game in "game" relation.

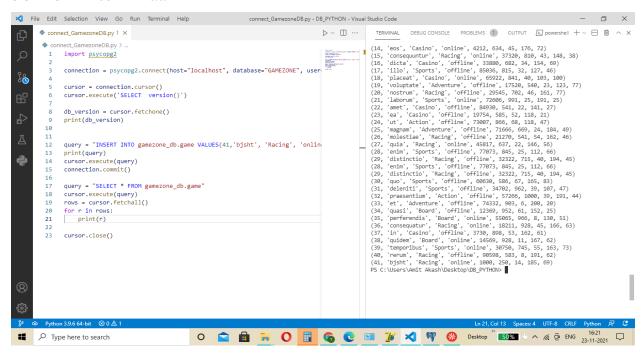
"game" relation before inserting.



Code:

```
import psycopg2
connection = psycopg2.connect(host="localhost", database="GAMEZONE",
user="postgres", password="admin")
cursor = connection.cursor()
cursor.execute('SELECT version()')
db version = cursor.fetchone()
print(db_version)
query = "INSERT INTO gamezone_db.game VALUES(41,'bjsht', 'Racing',
'online', 1000, 250, 14, 185, 69)"
print(query)
cursor.execute(query)
connection.commit()
query = "SELECT * FROM gamezone_db.game"
cursor.execute(query)
rows = cursor.fetchall()
for r in rows:
   print(r)
cursor.close()
```

OUTPUT in terminal:



Output in pgAdmin

