# **ASSIGNMENT 7:** Module 12: Building Database Apps with PostgreSQL & Python

Create Database in PostgreSQL:

```
postgres=# create database test;
CREATE DATABASE
postgres=# \l
                                                                                             List of databases
Name | Ow
cess privileges
                | Owner | Encoding | Locale Provider |
                                                                                                                                               | Locale | ICU Rules | Ac
                                                                                         Collate
                                                                                                                           Ctype
 demodb | postgres | UTF8
postgres | postgres | UTF8
students | postgres | UTF8
template0 | postgres | UTF8
                                                                              | English_India.1252 | English_India.1252 |
                                                   | libc
| libc
                                                     libc
                                                   libc
                                                                                                                                                                                |
| =c/p
ostgres
                                                                                                                                                                                | post
gres=CTc/postgres
template1 | postgres | UTF8
ostgres +
                                                   | libc
                                                                              | English_India.1252 | English_India.1252 |
                                                                                                                                                                                | post
gres=CTc/postgres
test
(6 rows)
                | postgres | UTF8
                                                   | libc
                                                                              | English_India.1252 | English_India.1252 |
```

Create Table in Database:

#### **INSERTING DATA**;

## DELETING THE DATA AND DELETING THE TABLE:

## CREATING TABLE THROUGH PYTHON IN PSQL:

```
connectingPSQLpy > ...
    import psycopg2

def table():
    conn = psycopg2.connect(dbname="postgres", user="postgres", password="PostgreSQL1036", host="localhost", port="5432")
    cursor = conn.cursor()
    cursor.execute('''create table testing(Name text , ID int , Age int);''')
    print('Table created successfully')

    conn.commit()
    conn.close()

    print("Connection Success!!")

    table()

PROBLEMS OUTPUT DEBUGCONSOLE TERMINAL PORTS GITLENS

PS C:\Users\PRAKHAR\OneDrive\Desktop\VS-CODE\PSQL> python .\ConnectingPSQL.py
Table created successfully
Connection Success!!

PS C:\Users\PRAKHAR\OneDrive\Desktop\VS-CODE\PSQL> [
```

### **INSERTING VALUES:**

## **EXTRACTING VALUES:**

```
def extract():

conn = psycopg2.connect(dbname="postgres",user="postgres",password="PostgreSQL1036",host="localhost",port="5432")

cursor = conn.cursor()

show = cursor.fetchone()

print(show)

conn.commit()

conn.close()

promode = conn.commit()

conn.close()

print(show)

print(show)

conn.close()

framinal ports gitlens

(venv) PS C:\Users\PRAKHAR\OneDrive\Desktop\VS-CODE\PSQL> python -

python -u "c:\Users\PRAKHAR\OneDrive\Desktop\VS-CODE\PSQL.py"

('Sam', 213, 24)

venv) PS C:\Users\PRAKHAR\OneDrive\Desktop\VS-CODE\PSQL> |
```

### ADDING VALUES: