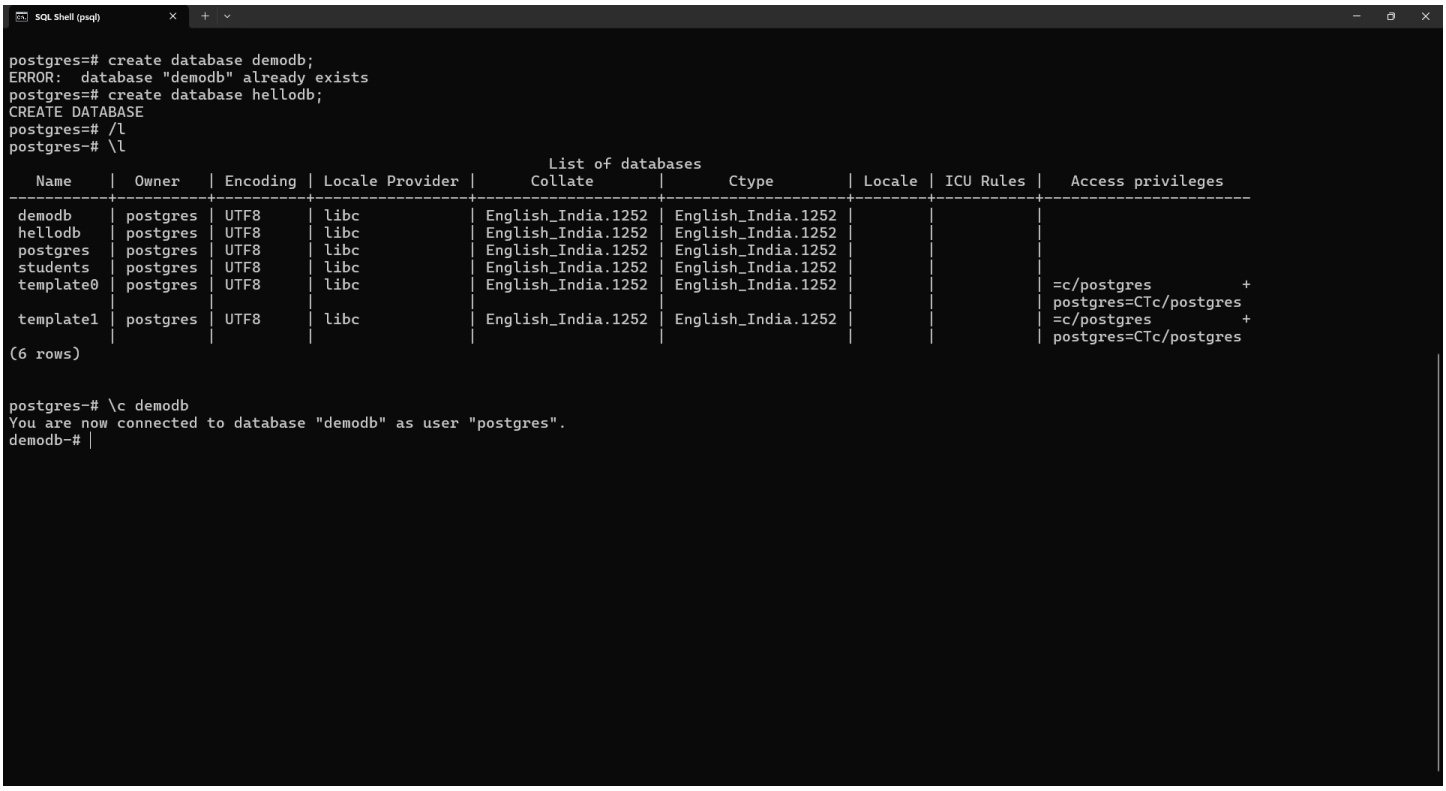
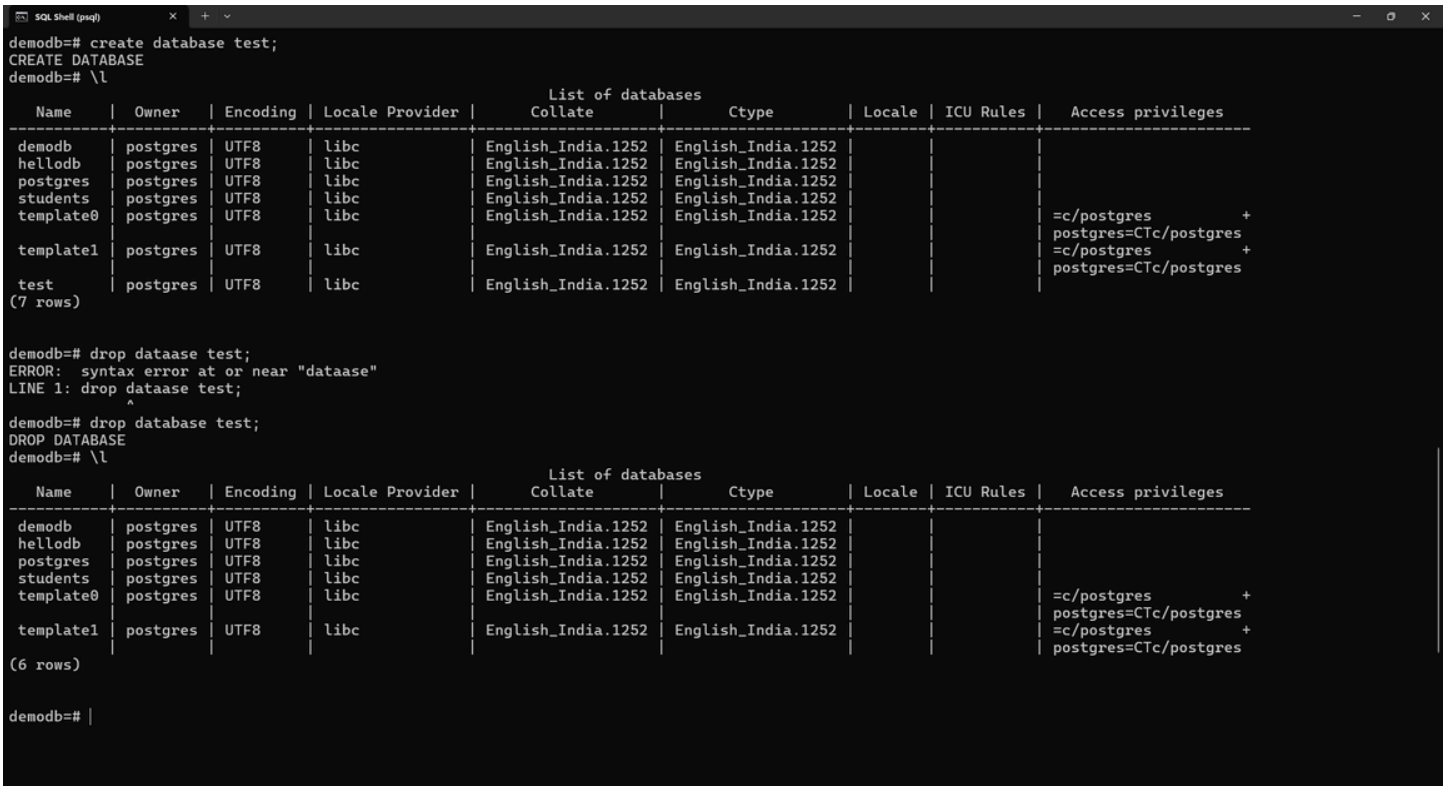
Module 12. *Building Database Apps with PostgreSQL & Python*

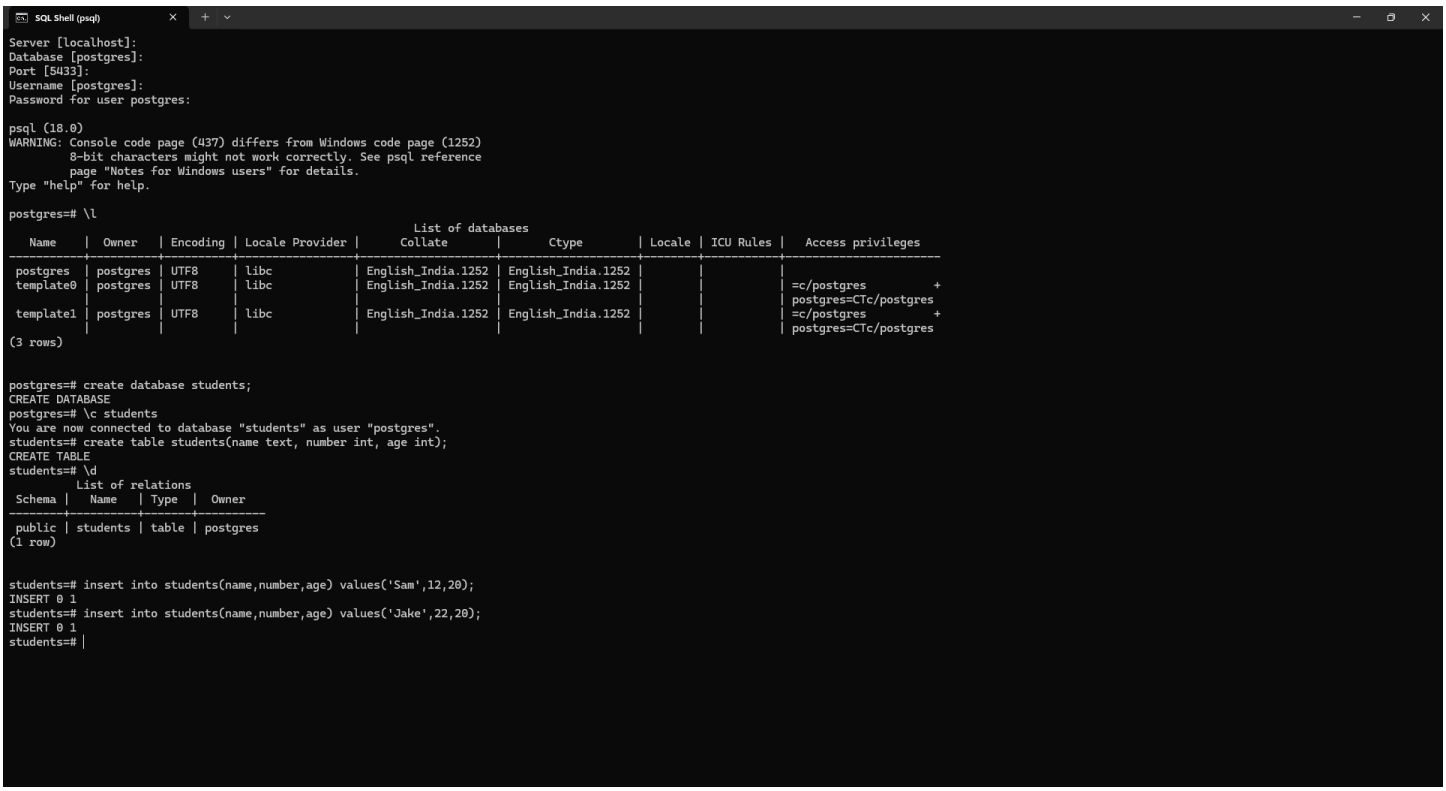
1. Creating DataBase



2. Deleting DataBase

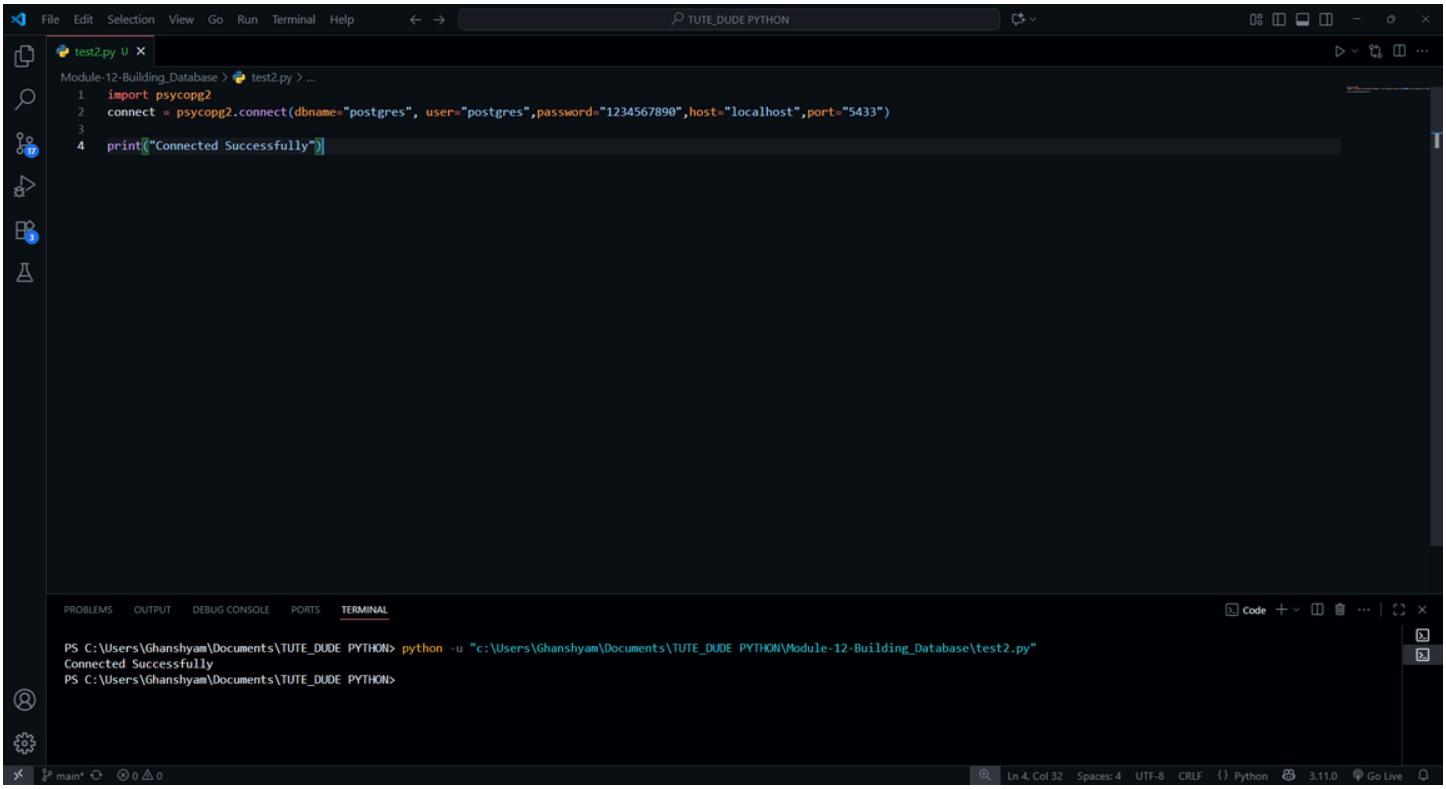


3. Creatlng table and adding data

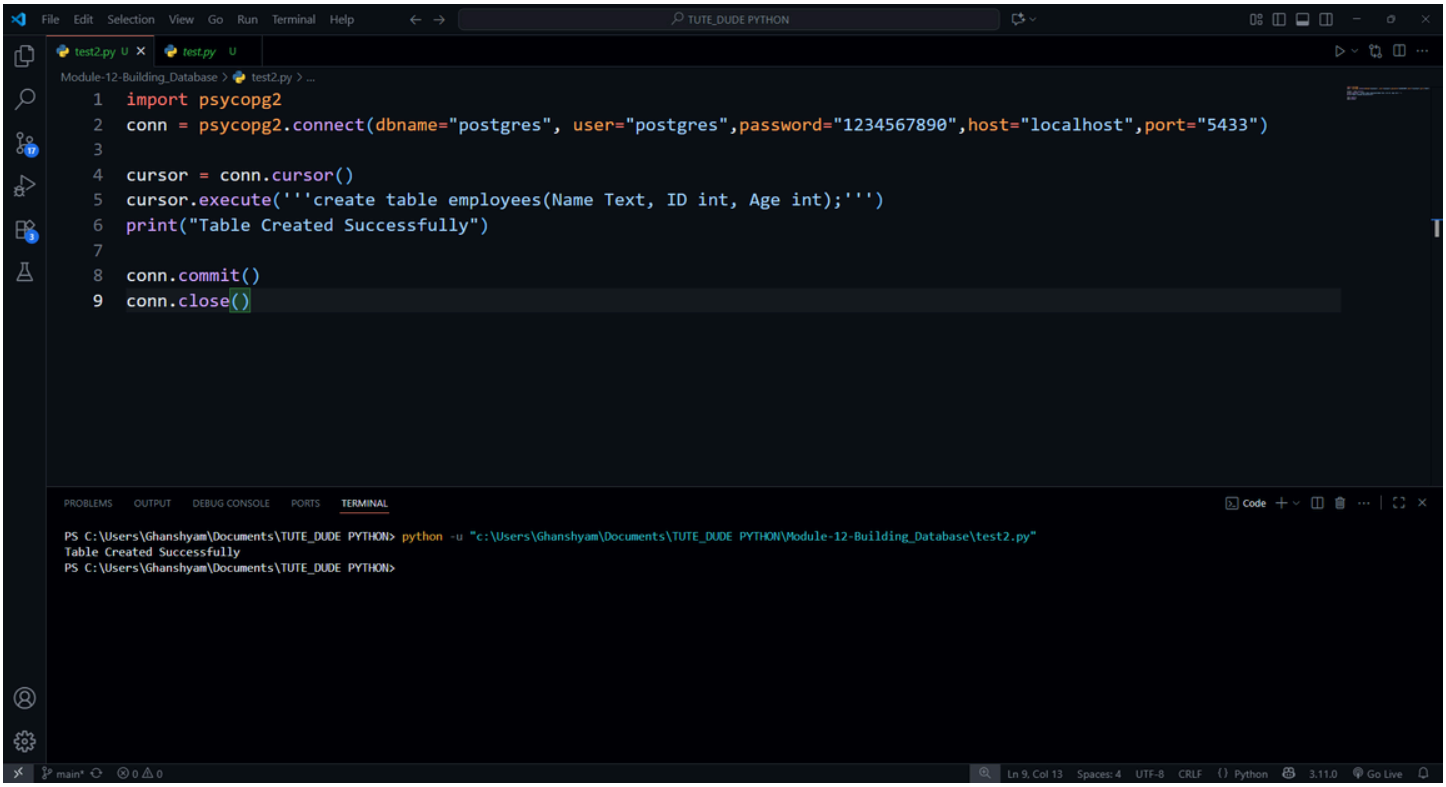


4. Retrieving data from database and deleting contents in the table

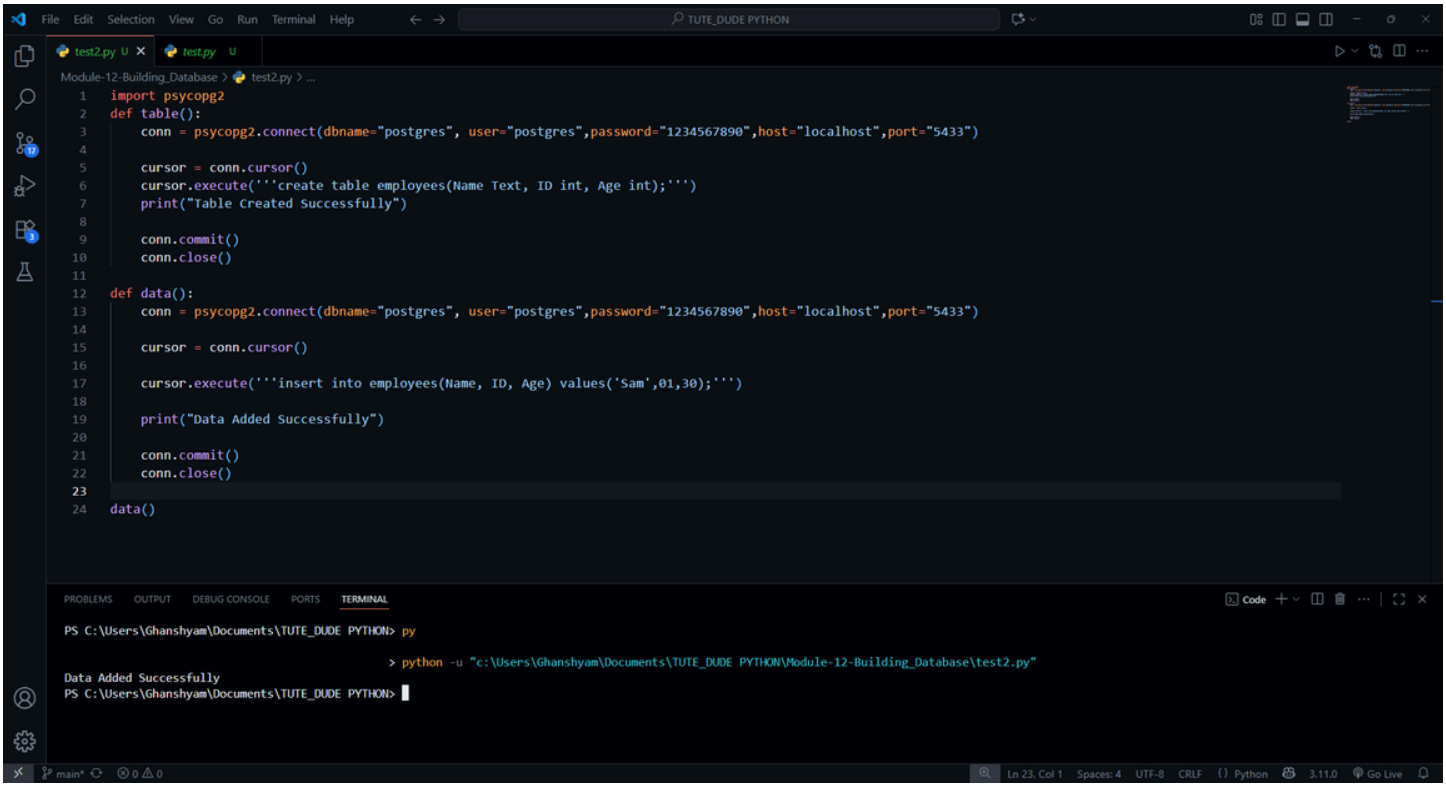
4. Connecting to Database



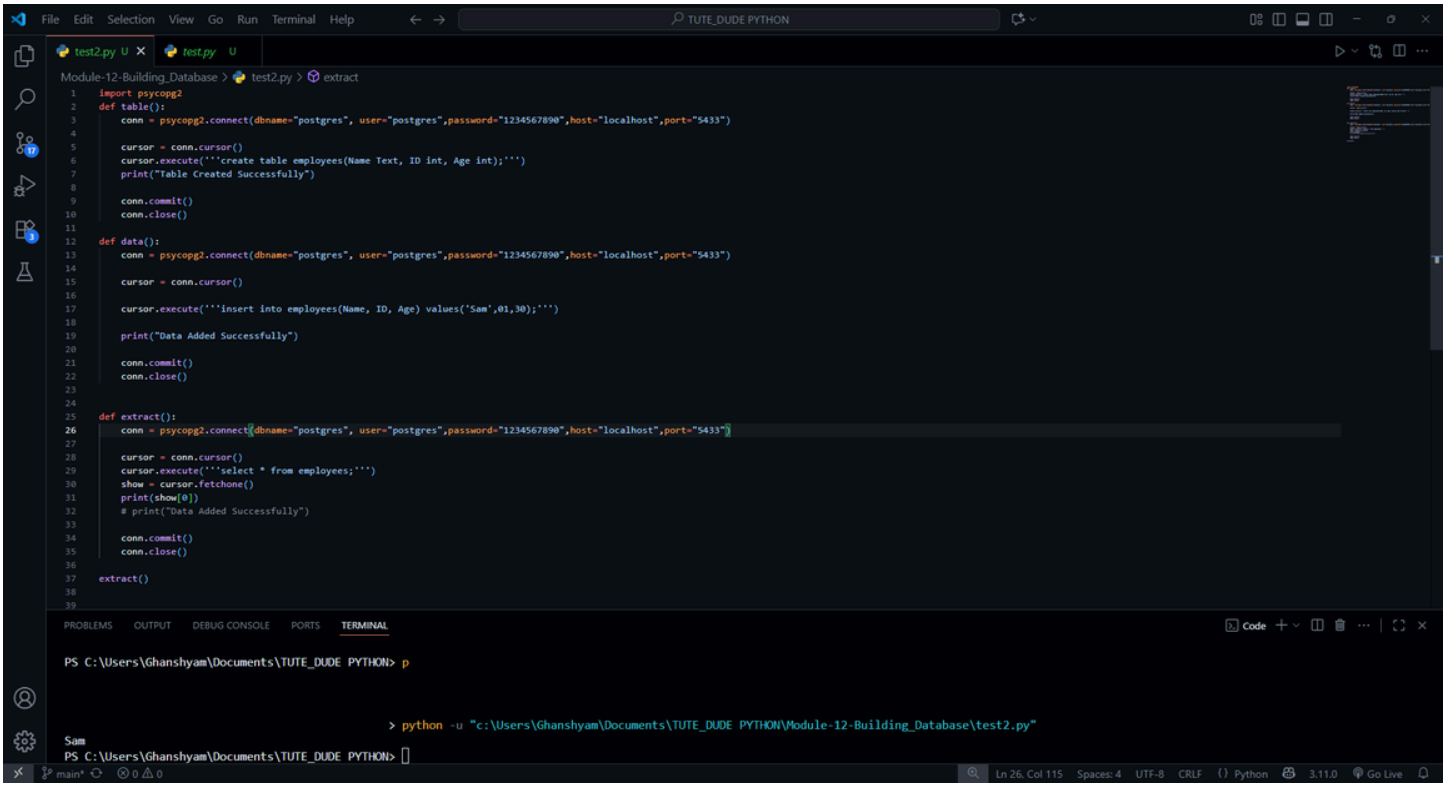
5. Creating table using python



5. Inserting data using python



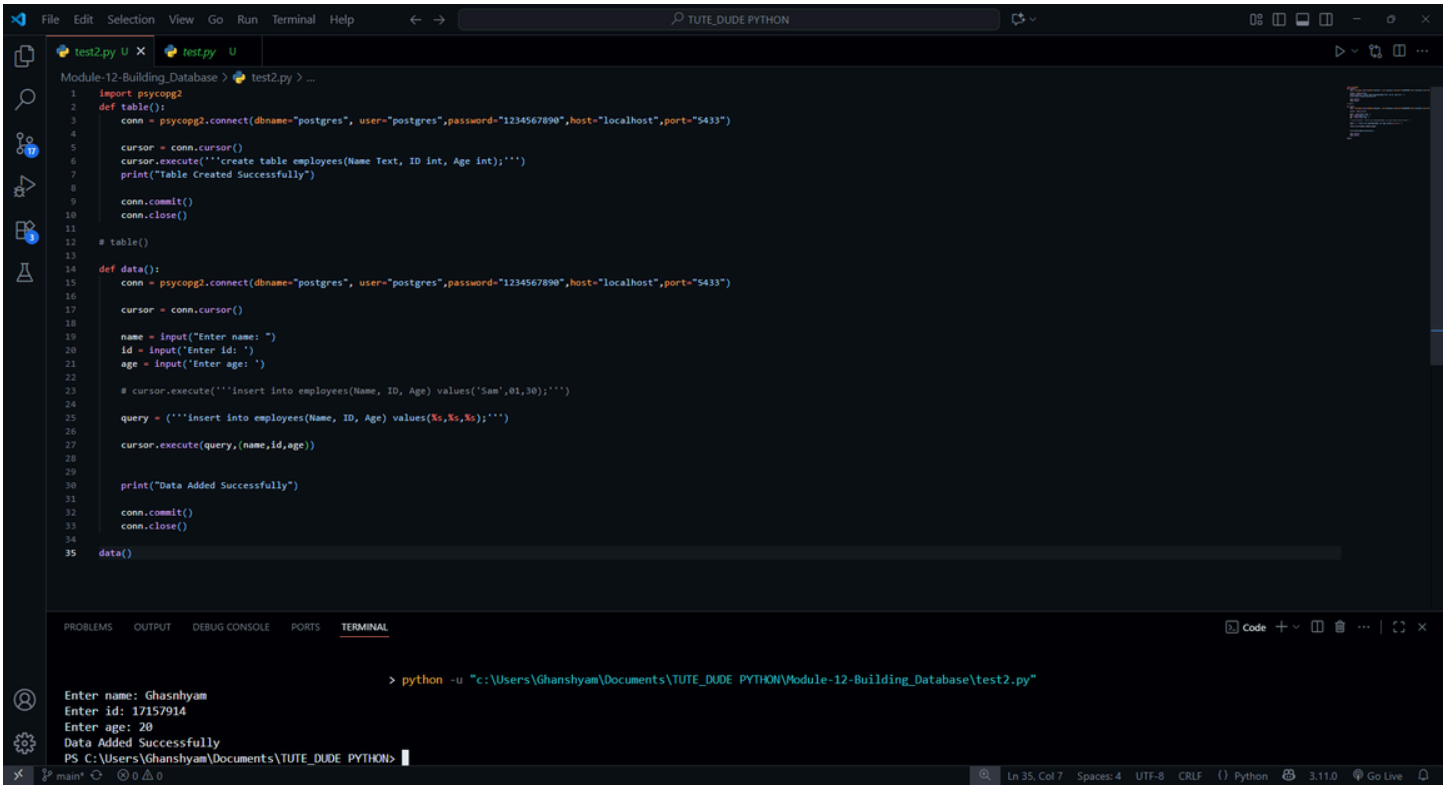
6. Extracting data from the database



```
import psycopg2
def table():
    conn = psycopg2.connect(dbname="postgres", user="postgres",password="1234567890",host="localhost",port="5433")

    cursor = conn.cursor()
    cursor.execute('''create table employees(Name Text, ID int, Age int);''')
    print("Table Created Successfully")

    conn.commit()
    conn.close()

def data():
    conn = psycopg2.connect(dbname="postgres", user="postgres",password="1234567890",host="localhost",port="5433")

    cursor = conn.cursor()

    cursor.execute('''insert into employees(Name, ID, Age) values('Sam',01,30);''')

    print("Data Added Successfully")

    conn.commit()
    conn.close()


def extract():
    conn = psycopg2.connect(dbname="postgres", user="postgres",password="1234567890",host="localhost",port="5433")

    cursor = conn.cursor()
    cursor.execute('''select * from employees;''')
    show = cursor.fetchone()
    print(show[0])
    # print("Data Added Successfully")

    conn.commit()
    conn.close()

extract()
```

```
PS C:\Users\Ghanshyam\Documents\TUTE_DUDE PYTHON> p
> python -u "c:\Users\Ghanshyam\Documents\TUTE_DUDE PYTHON\Module-12-Building_Database\test2.py"
Sam
PS C:\Users\Ghanshyam\Documents\TUTE_DUDE PYTHON>
```

6. Adding the input from the user



```
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def table():
    conn = psycopg2.connect(dbname="postgres", user="postgres",password="1234567890",host="localhost",port="5433")

    cursor = conn.cursor()
    cursor.execute('''create table employees(Name Text, ID int, Age int);''')
    print("Table Created Successfully")

    conn.commit()
    conn.close()

# table()

def data():
    conn = psycopg2.connect(dbname="postgres", user="postgres",password="1234567890",host="localhost",port="5433")

    cursor = conn.cursor()

    name = input("Enter name: ")
    id = input('Enter id: ')
    age = input('Enter age: ')

    # cursor.execute('''insert into employees(Name, ID, Age) values('Sam',01,30);''')

    query = ('''insert into employees(Name, ID, Age) values(%s,%s,%s);''')

    cursor.execute(query,(name,id,age))


    print("Data Added Successfully")

    conn.commit()
    conn.close()

data()
```

```
> python -u "c:\Users\Ghanshyam\Documents\TUTE_DUDE PYTHON\Module-12-Building_Database\test2.py"
Enter name: Ghasnhyam
Enter id: 17157914
Enter age: 20
Data Added Successfully
PS C:\Users\Ghanshyam\Documents\TUTE_DUDE PYTHON>
```