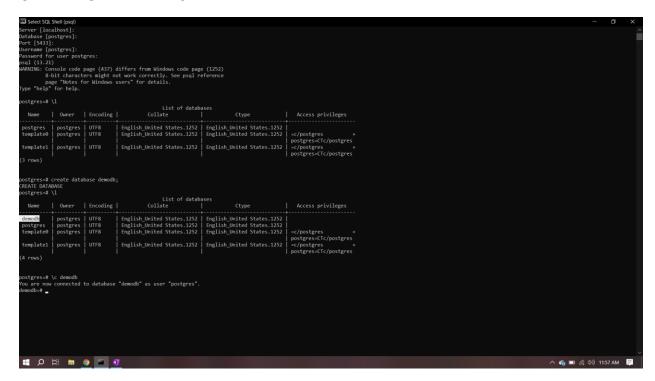
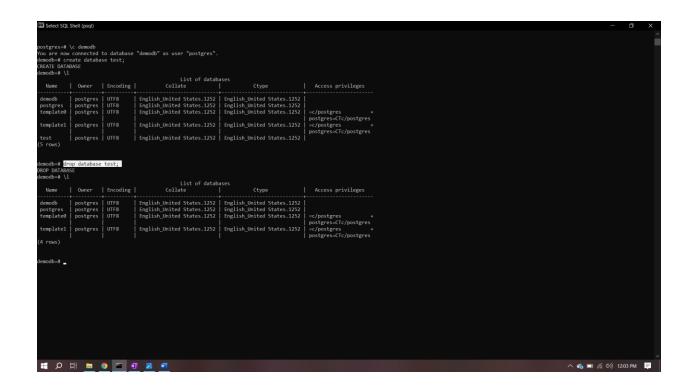
Assignment-7

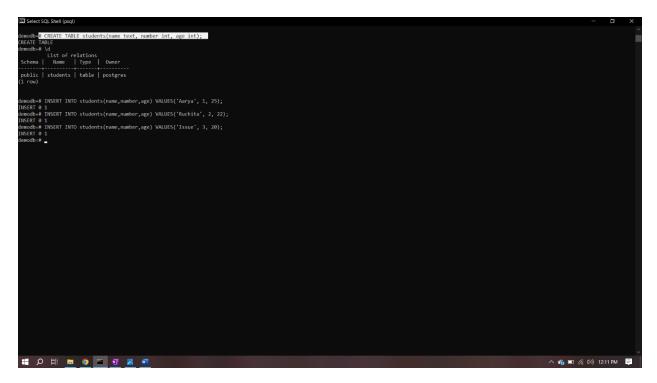
CREATING A DATABASE:-



DELETING A DATABASE:-

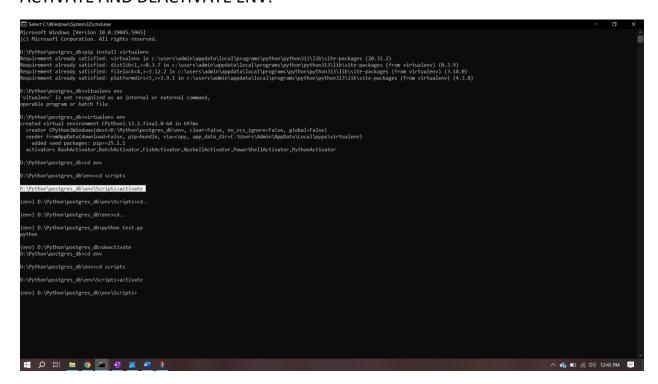


CREATING AND DATA INSERTING INTO TABLE:-



RETRIVING DATA AND DELETING CONTENT IN TABLE:-

ACTIVATE AND DEACTIVATE ENV:-



CONNECTING TO DATABSE:-

```
import psycopg2
# def table():
connect = psycopg2.connect(
```

```
dbname= "postgres",
    user = "postgres",
    password = "Aashu@191010",
    host = "localhost",
    port = "5433"
    )
print("Connected successfully")
```

CREATING TABLE USING PYTHON:-

```
connect.close()
table()
```

```
### Porting | Postgres | Vision | Collate | Co
```

INSERTING THE DATA USING PYTHON:-

```
def data():
    connect = psycopg2.connect(
        dbname= "postgres",
        user = "postgres",
        password = "Aashu@191010",
        host = "localhost",
        port = "5433"
    )

    cursor = connect.cursor()

# Test the connection
# Insert data into the table
    cursor.execute('''insert into Employees(Name, ID, age)
values('sam',1,27);''')
    print("data added successfully")

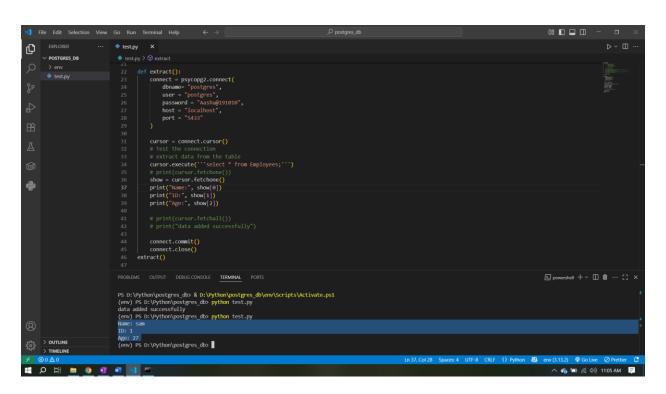
    connect.commit()
    connect.close()
```

```
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       EXPLORER ··· ♦ test.py ×
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                                                                                                                                                                                     PS D:\Python\postgres_db> & D:\Python\postgres_db\env\Scripts\Activate.ps1
(env) PS D:\Python\postgres_db> python test.py
data added successfully
(env) PS D:\Python\postgres_db>
         > OUTLINE
> TIMELINE
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| Signature | State | 
   postgres=# \d
List of relations
Schema | Name | Type | Owner
 public | employees | table | postgres
(1 row)
     postgres=# select * from employees;
name | id | age
-----+---
ostgres=#
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      へ 🚳 🐿 🦟 切) 11:01 AM 📮
```

EXTRACTING DATA FROM DATABASE:-

def extract():

```
connect = psycopg2.connect(
        dbname= "postgres",
        user = "postgres",
        password = "Aashu@191010",
        host = "localhost",
        port = "5433"
    cursor = connect.cursor()
    # Test the connection
    # extract data from the table
    cursor.execute('''select * from Employees;''')
    # print(cursor.fetchone())
    show = cursor.fetchone()
    print("Name:", show[0])
    print("ID:", show[1])
    print("Age:", show[2])
    # print(cursor.fetchall())
    # print("data added successfully")
    connect.commit()
    connect.close()
extract()
```



ADDING INPUT FROM USER:-

```
def data():
    connect = psycopg2.connect(
       dbname= "postgres",
       user = "postgres",
        password = "Aashu@191010",
       host = "localhost",
        port = "5433"
    cursor = connect.cursor()
    name = input("Enter name: ")
    id = int(input("Enter ID: "))
    age = int(input("Enter age: "))
    query = '''insert into Employees(Name, ID, age) values(%s, %s, %s);'''
    cursor.execute(query, (name, id, age))
      # Test the connection
     # Insert data into the table
    print("data added successfully")
    connect.commit()
    connect.close()
data()
```

EXTRACTING DATA IN TEST1 TABLE:-

```
def extract():
    connect = psycopg2.connect(
        dbname= "postgres",
        user = "postgres",
        password = "Aashu@191010",
        host = "localhost",
        port = "5433"
    cursor = connect.cursor()
    # Test the connection
    # extract data from the table
    cursor.execute('''select * from Employees;''')
    show = cursor.fetchall()
    for i in show:
        print(i)
    print("data extracted successfully")
    connect.commit()
    connect.close()
extract()
```

