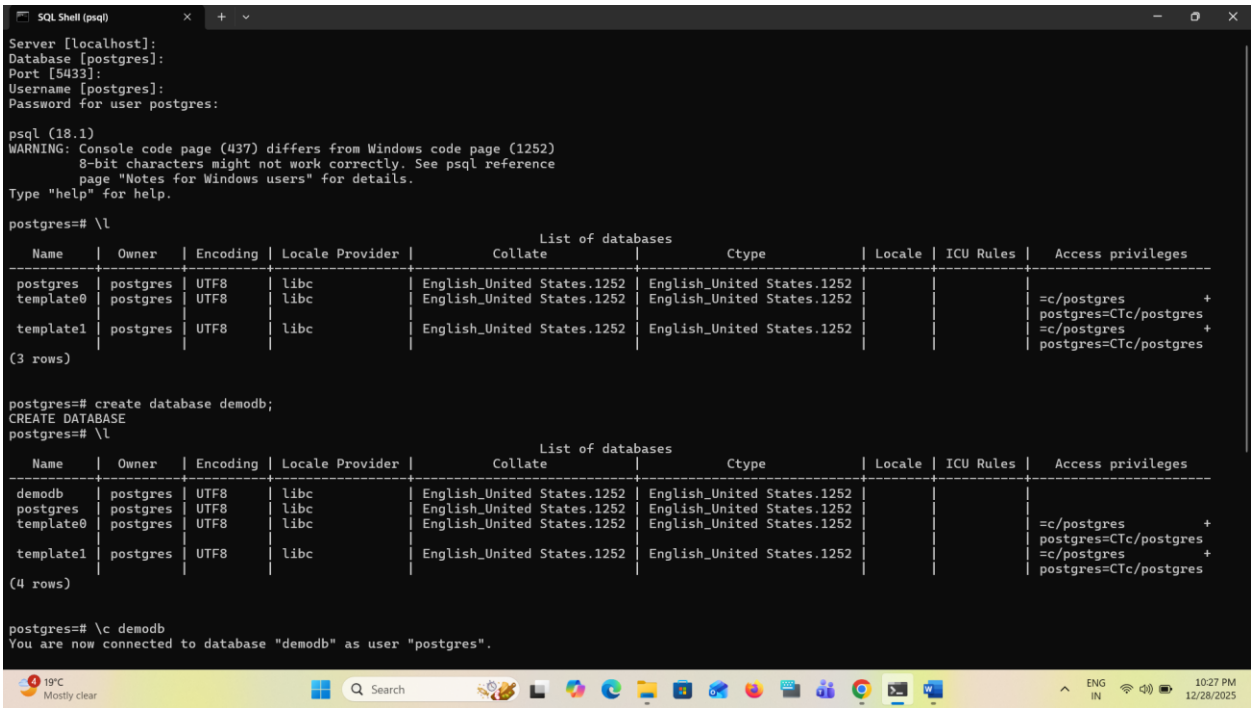
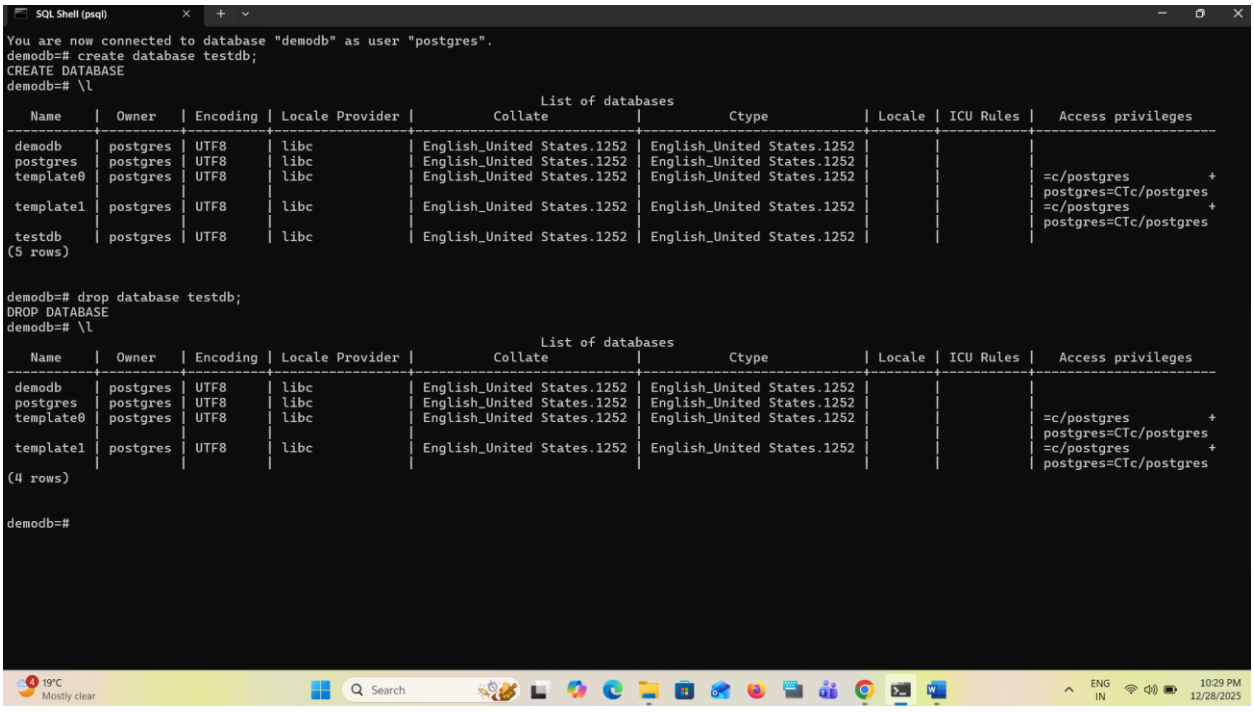
ASSIGNMENT-7

Module 16: Building Database Apps with PostgreSQL & Python:

Creating a database: create database database_name;



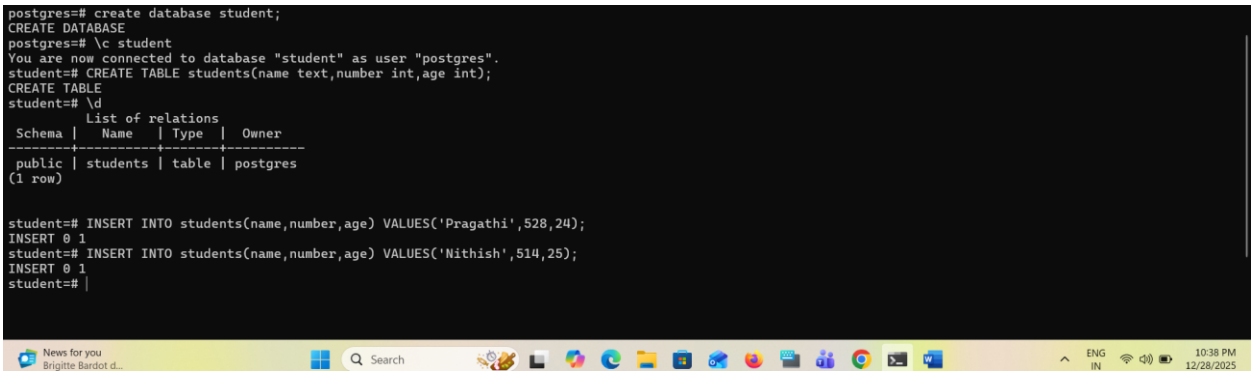
Deleting a database: drop database database_name;



Creating table and adding data:

CREATE TABLE TABLE_NAME(COLUMN_NAMES);

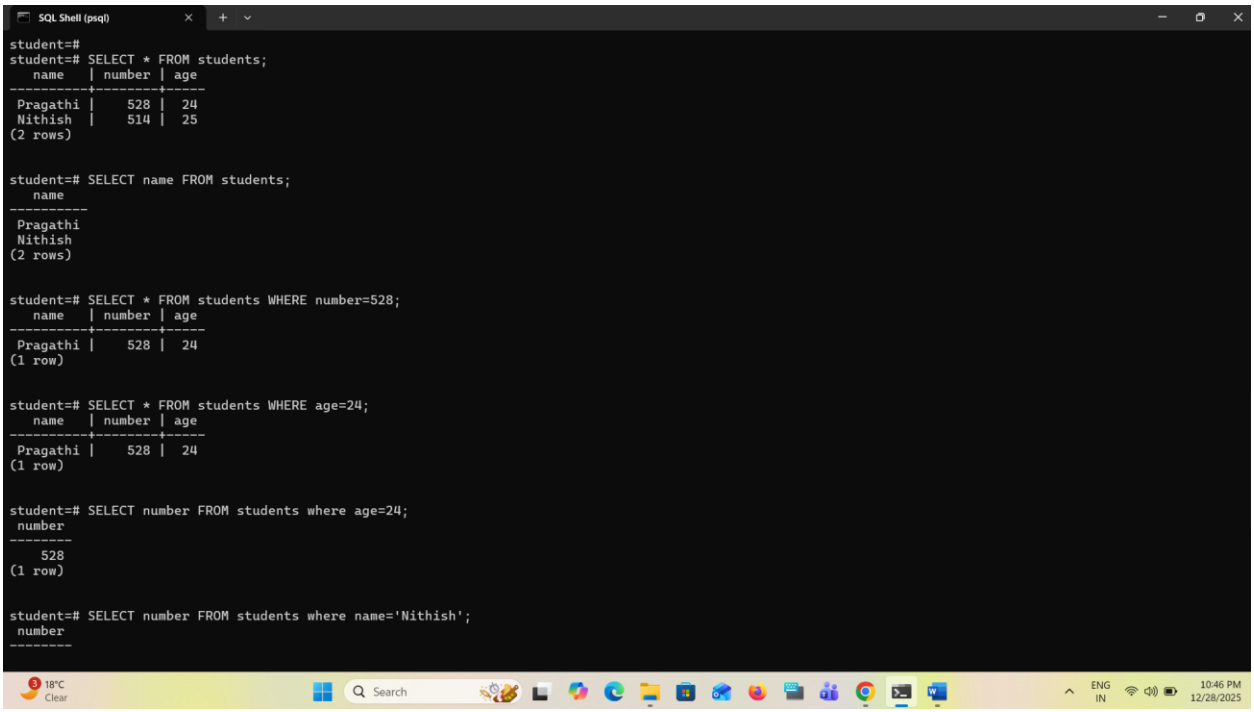
INSERT INTO TABLE_NAME VALUES(COLUMN_DATA);

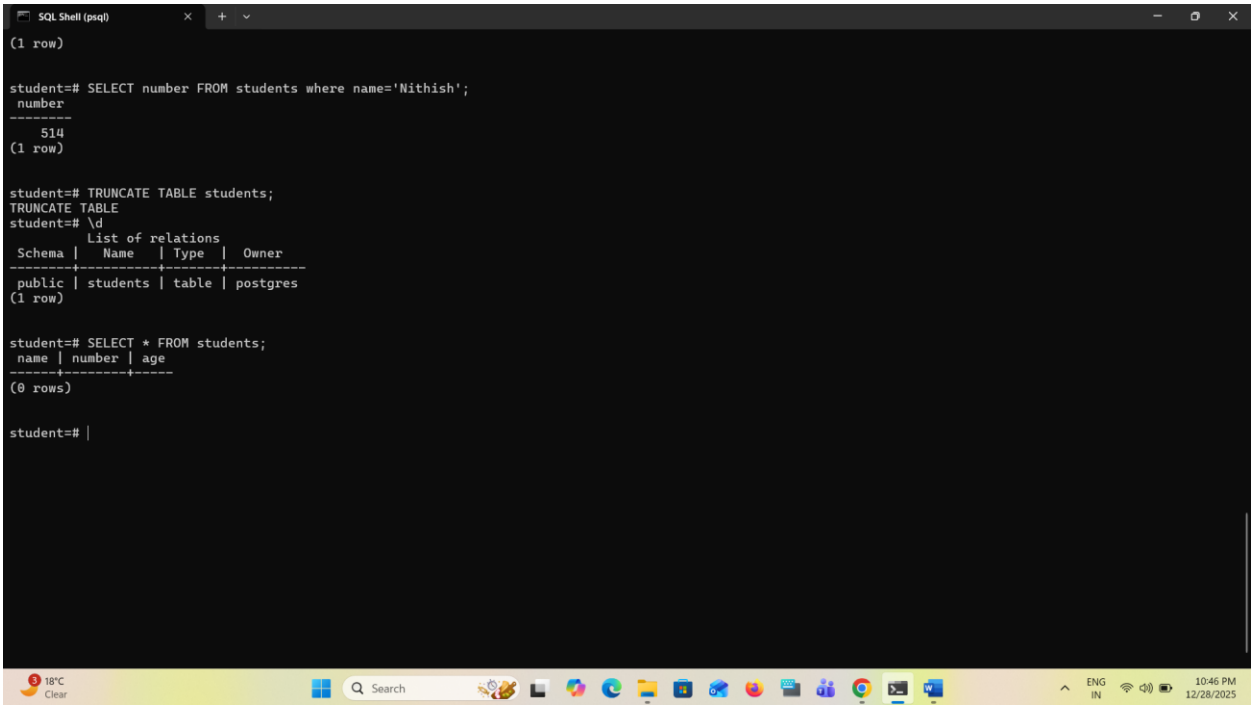


Retrieving data from database and deleting contents in the table:

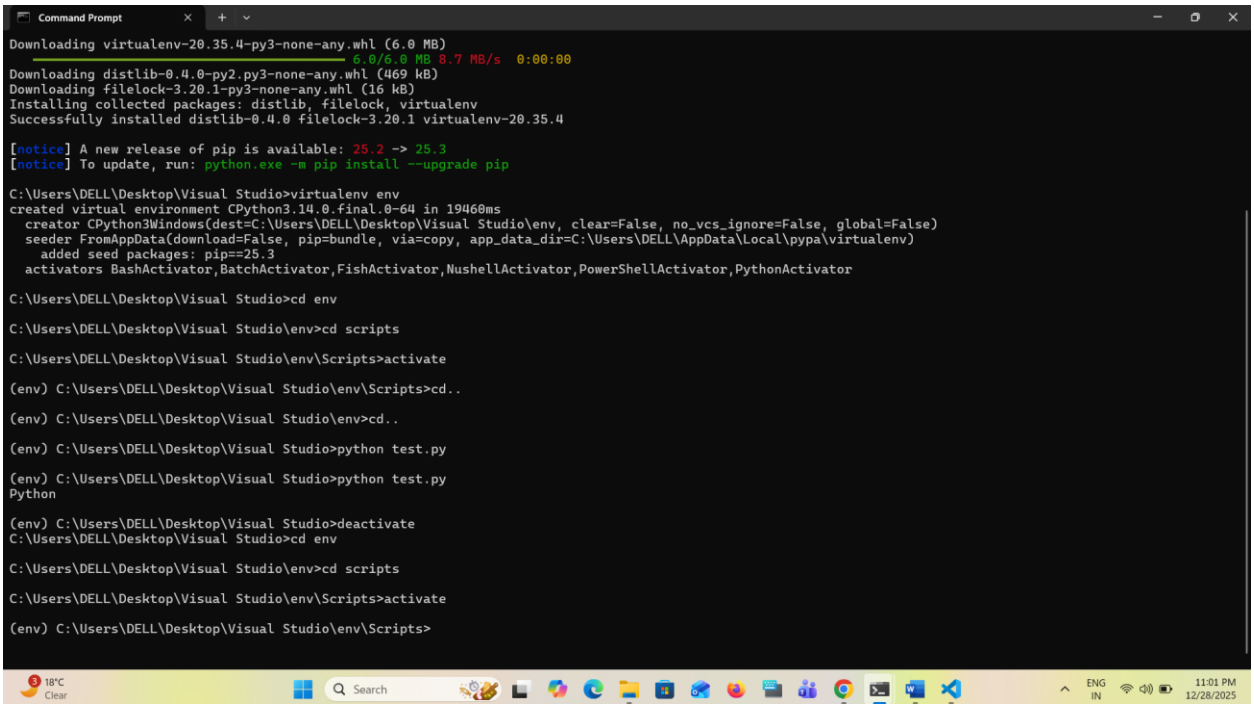
SELECT * FROM TABLE_NAME;

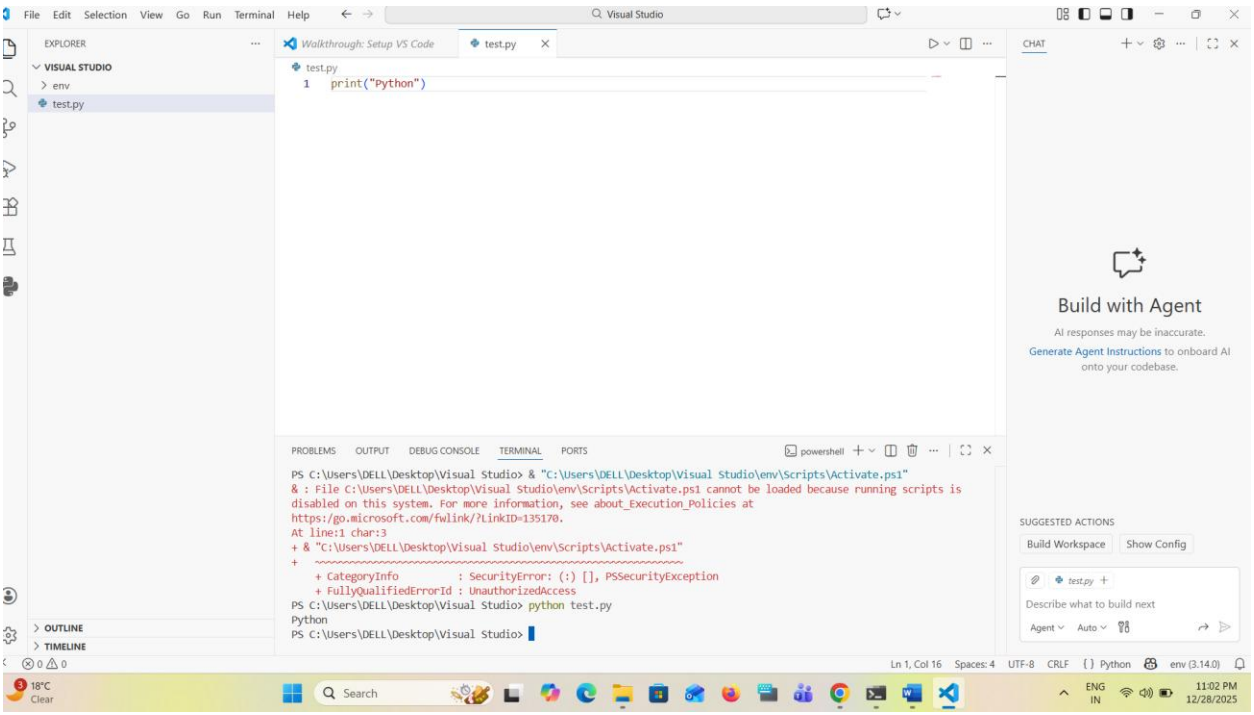
TRUNCATE TABLE TABLE_NAME;



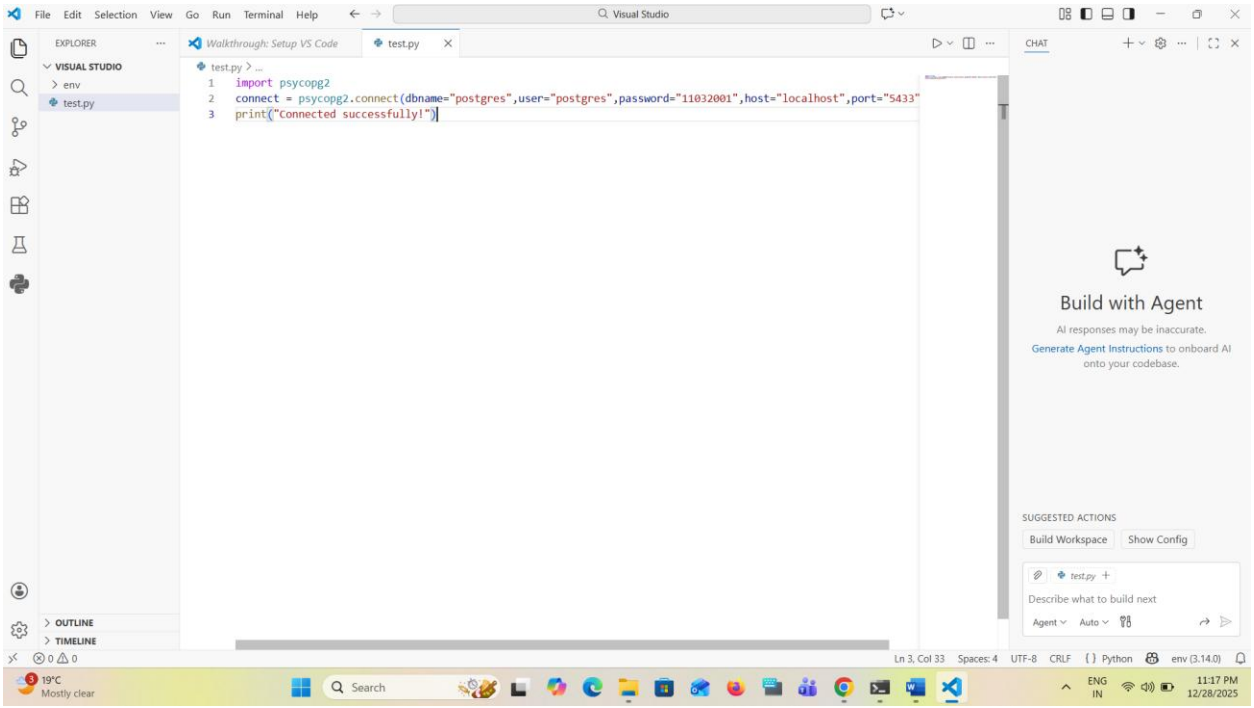


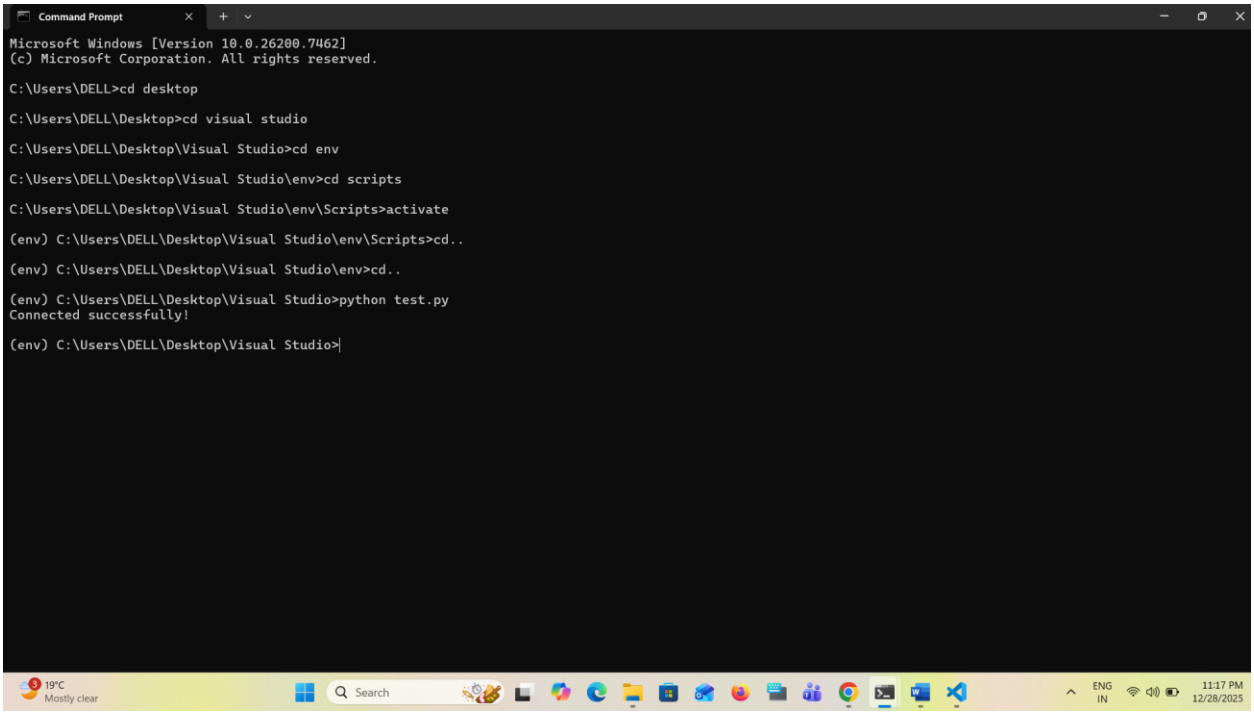
Setting up virtualenv:





Connecting to the database:

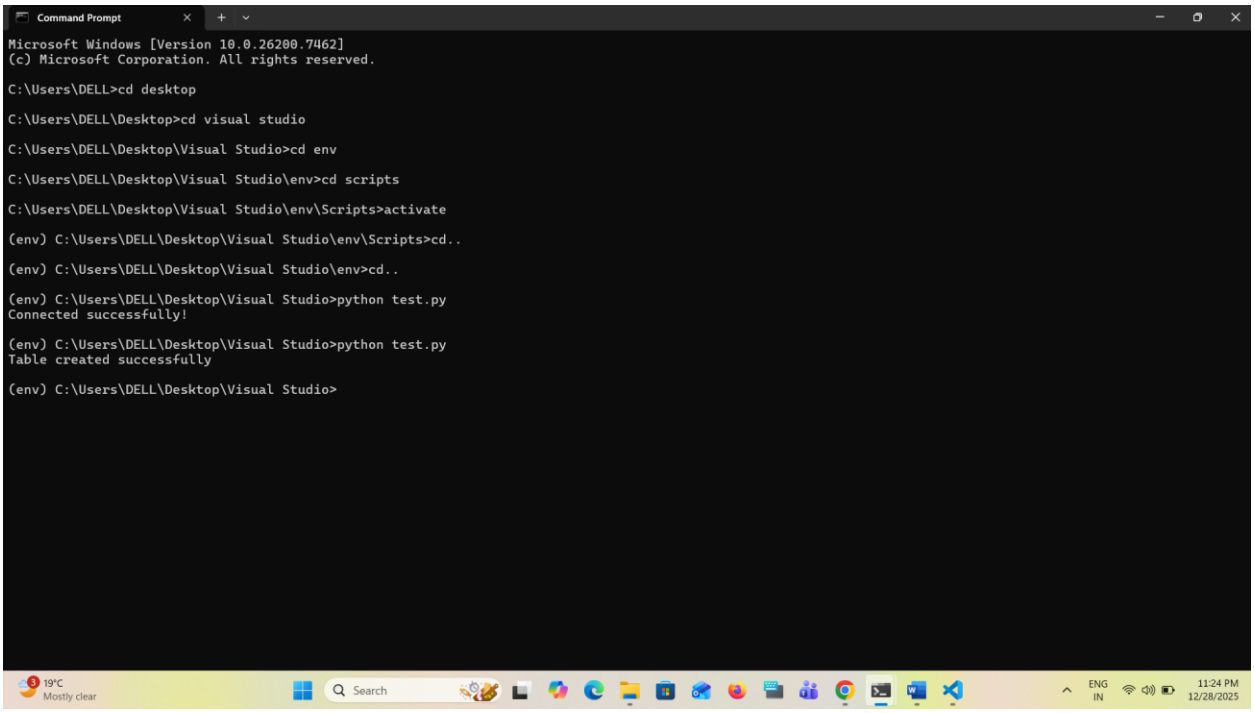




Creating table using Python:

Python code:

```
import psycopg2

connect = psycopg2.connect(dbname="postgres",user="postgres",password="11032001",host="localhost",port="5433")

cursor = connect.cursor()

cursor.execute('''create table employees(Name text, ID int, Age int);''')

print("Table created successfully")

connect.commit()

connect.close()
```

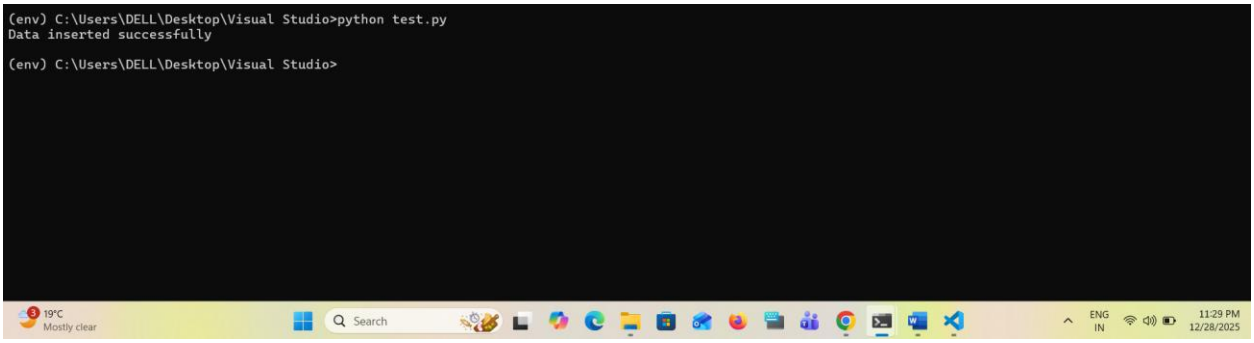


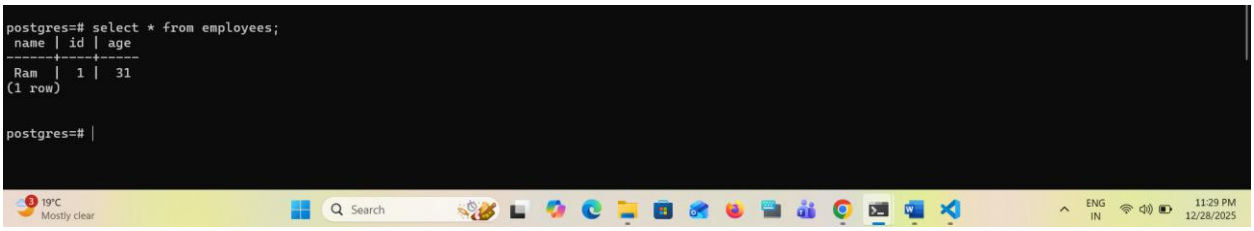
Inserting the data using python:

Python code:

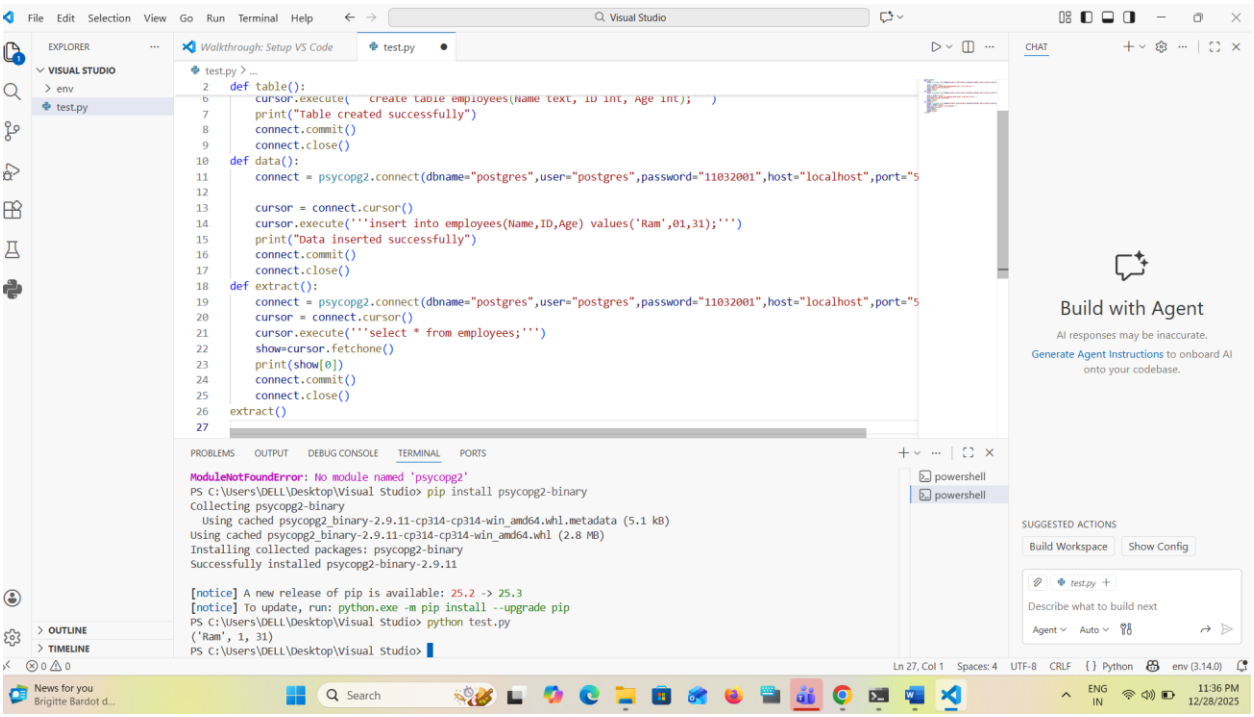
```
import psycopg2

def table():

    connect = psycopg2.connect(dbname="postgres",user="postgres",password="11032001",host="localhost",port="5433")

    cursor = connect.cursor()

    cursor.execute('''create table employees(Name text, ID int, Age int);''')

    print("Table created successfully")

    connect.commit()

    connect.close()


def data():
```

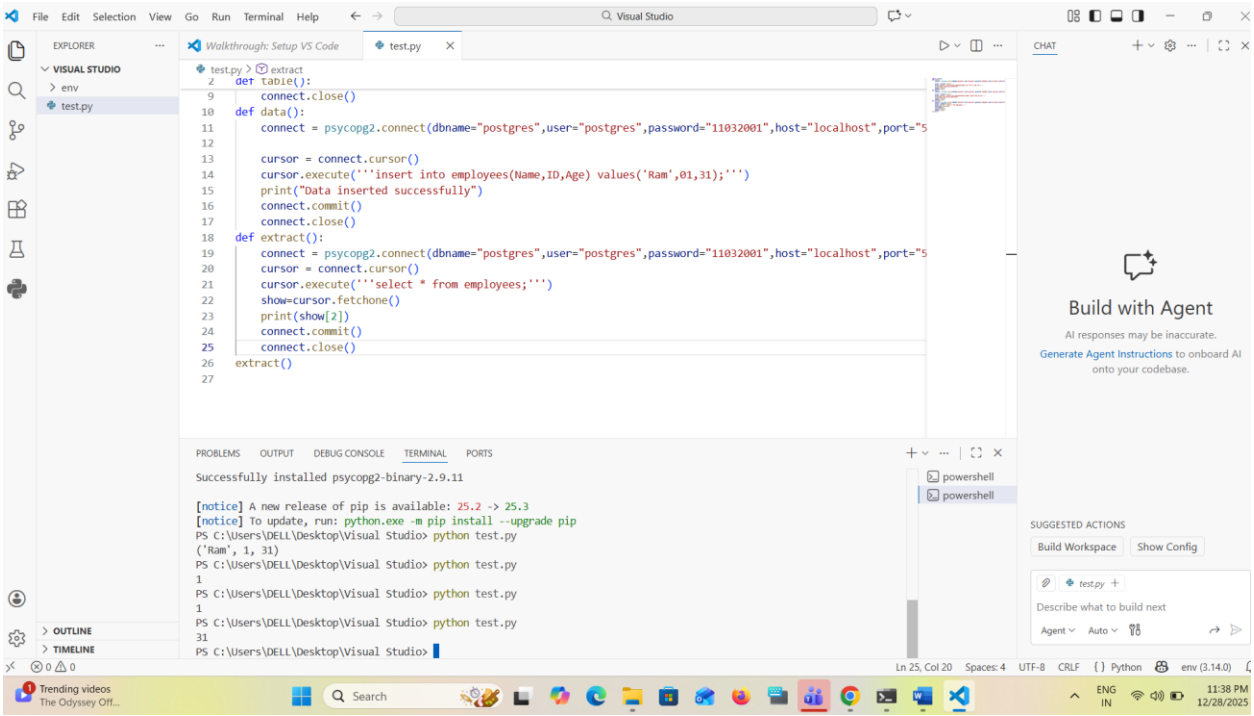
```
connect =
psycopg2.connect(dbname="postgres",user="postgres",password="11032001",host="localhost",port="5
433")

    cursor = connect.cursor()

    cursor.execute('''insert into employees(Name,ID,Age) values('Ram',01,31);''')

    print("Data inserted successfully")

    connect.commit()

    connect.close()

data()
```



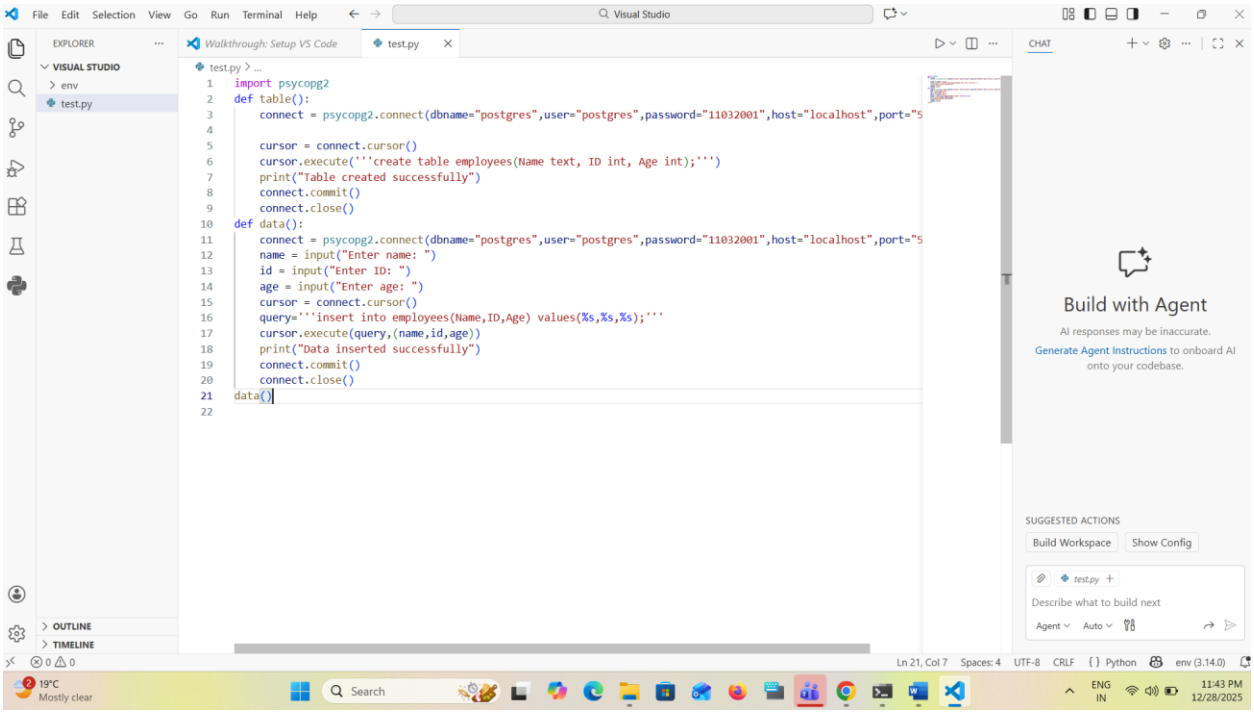


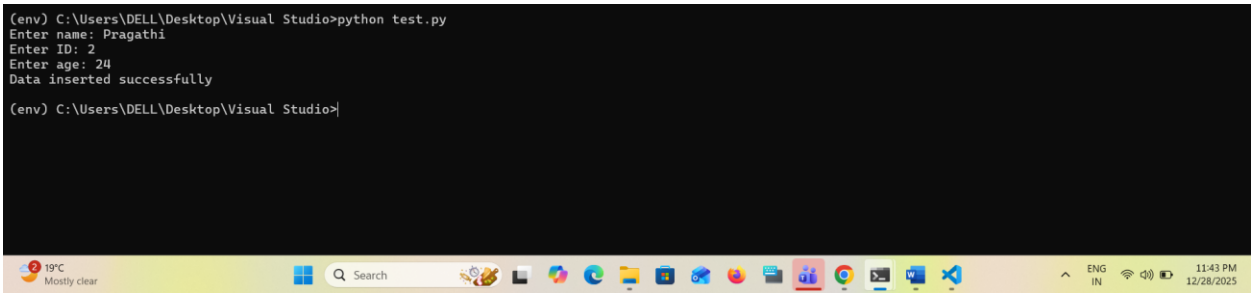
Extracting data from database:

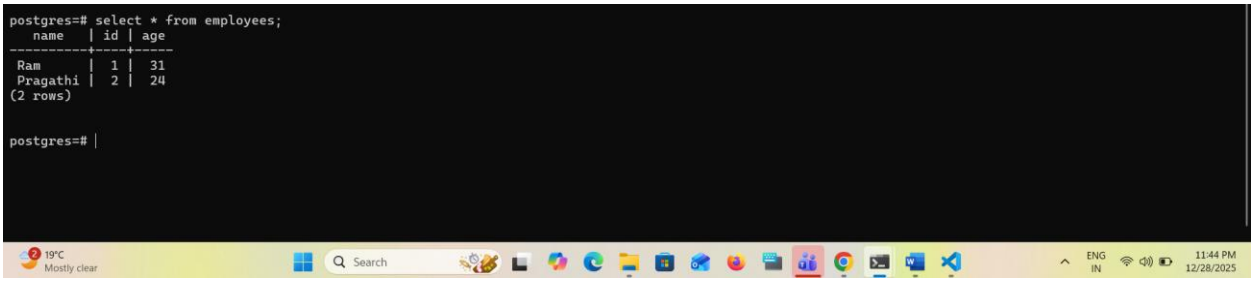




Adding input from user:







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