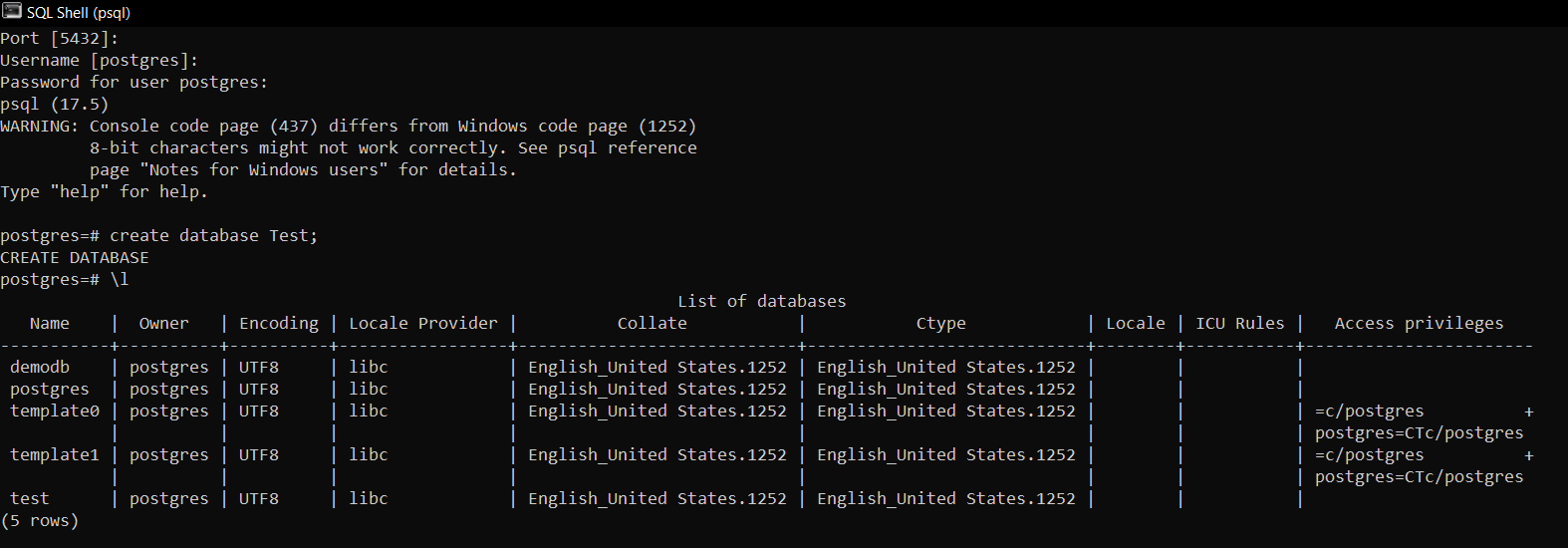
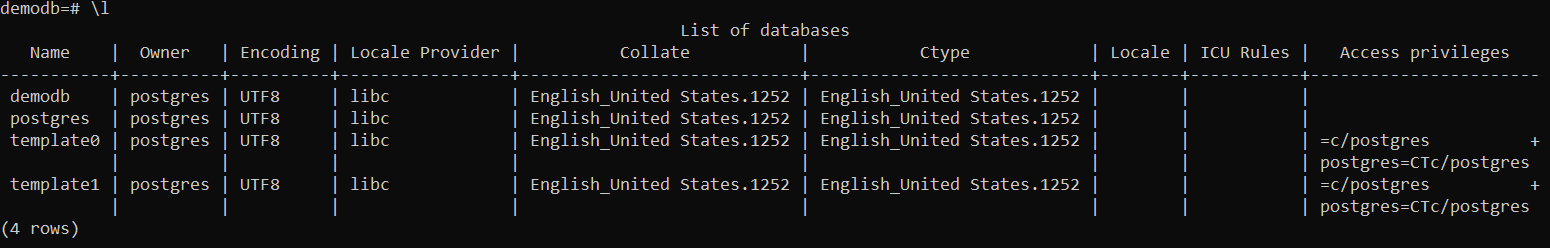
Assignment-7

CREATING A DATABASE:-

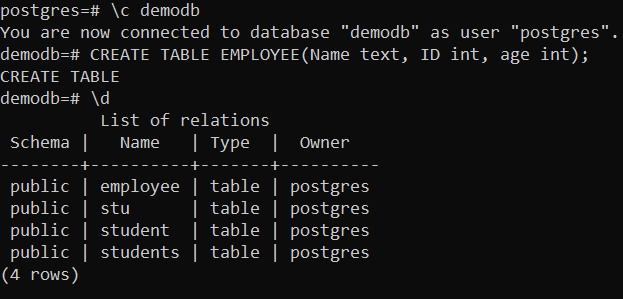


DELETING A DATABASE:-

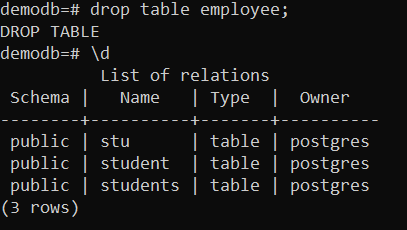




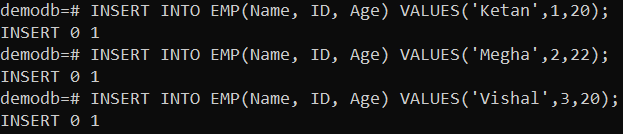
CREATING A TABLE:-



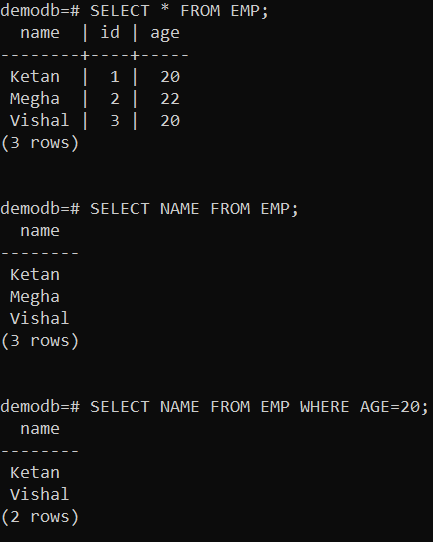
DELETING A TABLE:-



DATA INSERTING INTO TABLE:-

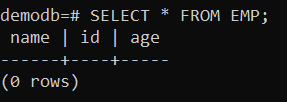


RETRIVING DATA FROM TABLE:-



DELETING CONTENT IN TABLE:-





CONNECTING TO DATABSE:-

import psycopg2

# def table():

connect = psycopg2.connect(

        dbname= "postgres",

        user = "postgres",

        password = "Aashu@191010",

        host = "localhost",

        port = "5432"

    )

print("Database connected successfully")



CREATING TABLE USING PYTHON:-

import psycopg2

def table():

    connect = psycopg2.connect(

            dbname= "postgres",

            user = "postgres",

            password = "Aashu@191010",

            host = "localhost",

            port = "5432"

        )

    cursor = connect.cursor()

        # Test the connection

    cursor.execute('''create table Test1(Name text,ID int,age int);''')

    print("Table created successfully")

    connect.commit()

    connect.close()

table()



INSERTING THE DATA USING PYTHON:-

def data():

    connect = psycopg2.connect(

        dbname= "postgres",

        user = "postgres",

        password = "Aashu@191010",

        host = "localhost",

        port = "5432"

    )

    cursor = connect.cursor()

    # Test the connection

    # Insert data into the table

    cursor.execute('''insert into Test1(Name, ID, age) values('sam',1,27);''')

    print("data added successfully")

    connect.commit()

    connect.close()

data()



EXTRACTING DATA FROM DATABASE:-

def extract():

    connect = psycopg2.connect(

        dbname= "postgres",

        user = "postgres",

        password = "Aashu@191010",

        host = "localhost",

        port = "5432"

    )

    cursor = connect.cursor()

    # Test the connection

    # extract data from the table

    cursor.execute('''select \* from Test1;''')

    # print(cursor.fetchone())

    show = cursor.fetchone()

    print("Name:", show[0])

    print("ID:", show[1])

    print("Age:", show[2])

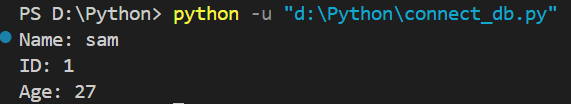
    # print(cursor.fetchall())

    # 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 = "5432"

    )

    cursor = connect.cursor()

    #user input for data

    name = input("Enter name: ")

    id = int(input("Enter ID: "))

    age = int(input("Enter age: "))

    query = '''insert into Test1(Name, ID, age) values(%s, %s, %s);'''

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

#     # Test the connection

#     # Insert data into the table

#     cursor.execute('''insert into Test1(Name, ID, age) values('sam',1,27);''')

#     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 = "5432"

    )

    cursor = connect.cursor()

    # Test the connection

    # extract data from the table

    cursor.execute('''select \* from Test1;''')

    show = cursor.fetchall()

    for i in show:

        print(i)

    print("data extracted successfully")

    connect.commit()

    connect.close()

extract()

