**Practical No 5**

**Aim:** To perform MySQL queries using python

**Code:**

import pymysql

# Establish a connection to MySQL

conn = pymysql.connect(host="localhost", user="root", password="root123")

# Creating a cursor

cursor = conn.cursor()

# Creating the 'Employee' database

cursor.execute("CREATE DATABASE IF NOT EXISTS Employee")

# Using the 'Employee' database

cursor.execute("USE Employee")

# Creating the 'EmpInfo' table

cursor.execute("CREATE TABLE EmpInfo (Emp\_NO int NOT NULL, Emp\_Name varchar(50), Salary int, Address varchar(100), Role\_Type varchar(50))")

# Inserting the data into the table

cursor.execute("INSERT INTO EmpInfo VALUES (01, 'Akansha', 35000, 'Wagholi', 'Biomedical Engineer')")

cursor.execute("INSERT INTO EmpInfo VALUES (02, 'Devi', 25500, 'Kalyani Nagar', 'Computational Biologist')")

cursor.execute("INSERT INTO EmpInfo VALUES (03, 'Apurva', 28000, 'Karve Nagar', 'Biotechnologist')")

cursor.execute("INSERT INTO EmpInfo VALUES (04, 'Meher', 30000, 'Wagholi-BJS', 'Bioinformatician')")

# Commiting the changes

conn.commit()

# displaying data

cursor.execute("SELECT \* FROM EmpInfo")

Emp = cursor.fetchall()

print("Initial data fetching:")

for i in Emp:

print(i)

print("-------------------------------------------------")

# Altering the table to add columns 'Email' and 'Age'

cursor.execute("ALTER TABLE EmpInfo ADD COLUMN Email varchar(255)")

cursor.execute("ALTER TABLE EmpInfo ADD COLUMN Age int")

# Inserting 'Email' and 'Age' data

cursor.execute("UPDATE EmpInfo SET Email = 'akansha@gmail.com', Age = 22 WHERE Emp\_NO = 01")

cursor.execute("UPDATE EmpInfo SET Email = 'devi@gmail.com', Age = 22 WHERE Emp\_NO = 02")

cursor.execute("UPDATE EmpInfo SET Email = 'apurva@gmail.com', Age = 23 WHERE Emp\_NO = 03")

cursor.execute("UPDATE EmpInfo SET Email = 'meher@gmail.com', Age = 22 WHERE Emp\_NO = 04")

# Commiting the changes for adding 'Email' and 'Age'

conn.commit()

# Displaying data after adding 'Email' and 'Age'

cursor.execute("SELECT \* FROM EmpInfo")

Emp = cursor.fetchall()

print("Data after altering the table:")

for i in Emp:

print(i)

print("-------------------------------------------------")

# Deleteing the 'Age' column

cursor.execute("ALTER TABLE EmpInfo DROP COLUMN Age")

# Commiting the changes for deleting 'Age'

conn.commit()

#data display after deleting a column

cursor.execute("SELECT \* FROM EmpInfo")

Emp = cursor.fetchall()

print("Data after deleting:")

for i in Emp:

print(i)

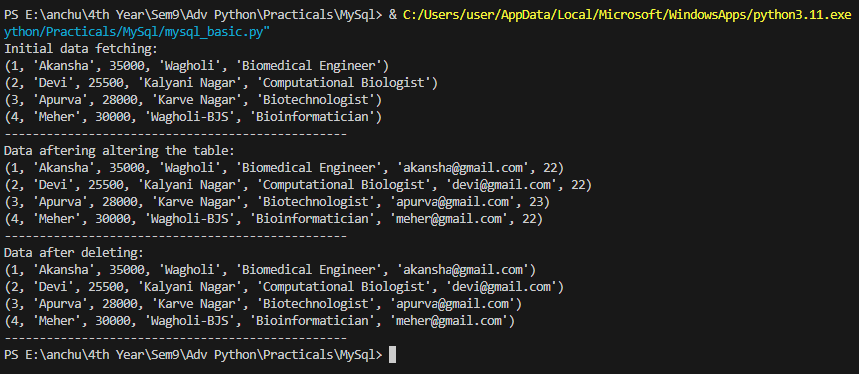
print("-------------------------------------------------")

# Closing the cursor and the connection

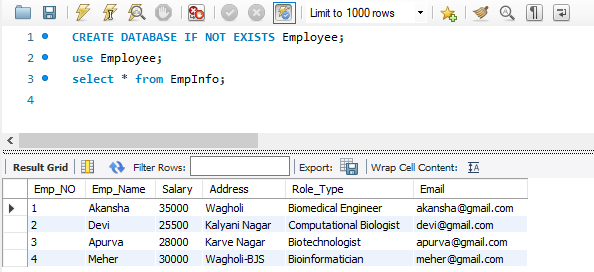
cursor.close()

conn.close()

**Output:**



VS code terminal output



MySQL workbench output