Practical no. 6

Write a program to implement MySQL/Oracle database connectivity with any front end language to implement Database navigation operations (add, delete, edit etc.)

Mysql Program:-

```
CREATE DATABASE student_db;
USE student_db;
CREATE TABLE students (id INT AUTO_INCREMENT PRIMARY KEY, name
VARCHAR(50), age INT, email VARCHAR(50));
```

Python program:-

```
import mysql.connector

conn = mysql.connector.connect(
    host="localhost",
    user="root",
    password="your_mysql_password",
    database="student_db"
)

c = conn.cursor()

while True:
    choice = input("1.Add 2.View 3.Update 4.Delete 5.Exit: ")

    if choice == '1':
        n = input("Name: ")
        a = int(input("Age: "))
        e = input("Email: ")
        c.execute("INSERT INTO students(name,age,email) VALUES(%s,%s,%s)", (n, a, e))

    elif choice == '2':
        c.execute("SELECT * FROM students")
        for r in c.fetchall():
            print(r)

    elif choice == '3':
        i = int(input("ID: "))
        n = input("Name: ")
        a = int(input("Age: "))
        e = input("Email: ")
        c.execute("UPDATE students SET name=%s, age=%s, email=%s WHERE id=%s", (n, a, e, i))

    elif choice == '4':
        i = int(input("ID: "))
        c.execute("DELETE FROM students WHERE id=%s", (i,))

    elif choice == '5':
        break

    conn.commit()
```

```
c.close()
conn.close()
```

pip install mysql-connector-python