2. Write a python program for MySQL Database connectivity (import sqlite3 module) Establish the connection with Education database named “Education” in SQLite, create a table named Student (with id_no, name, department, gender, total_marks) in Education database. Perform insert, update,select and delete operation on Student table.

```
import sqlite3
print("12002040701067")
def Seperator():
  print("--------------------------------------------------------------------------------")
db=sqlite3.connect('Education.db')
try:
   cur=db.cursor()
   #Create Table
   sql1="""CREATE TABLE Student (StudentID INTEGER PRIMARY KEY AUTOINCREMENT,name TEXT (20)
        NOT NULL,department TEXT (20) NOT NULL,Gender TEXT (20) NOT NULL,total_marks INTEGER);"""
   cur.execute(sql1)

   #Insert Into Table
   count=0
   while(True):
    nm1, dp1, g1, m1 = input("Enter Name, Department, Gender And Total_Marks : ").split()
    sql2="""INSERT INTO Student (name, department, gender, total_marks)
            VALUES ('"+nm1+"','"+dp1+"','"+g1+"','"+str(m1)+"');"""
    cur.execute(sql2)
    count+=1
    key=int(input("Press 1 To Enter Again : "))
    if(key!=1):
      break
   db.commit()
   if(count==1):
    print("One Record Added Successfully!!!")
   else:
     print(str(count)+" Records Added Successfully!!!")
   Seperator()

   #Select From Table
   sql3="SELECT * from Student;"
   cur.execute(sql3)
   set=cur.fetchall()
   for record in set:
    print (record)
   Seperator()

   #Update Into Table
   m2, nm2 = input("Enter New Total_Marks In Particular Name : ").split()
   sql4="UPDATE Student SET total_marks='"+m2+"' WHERE name='"+nm2+"';"
   cur.execute(sql4)
   db.commit()
   print ("Record Updated Successfully!!!")
   cur.execute(sql3)
   set=cur.fetchall()
   for record in set:
    print (record)
   Seperator()
```

```
   #Delete From Table
   res=input("Do You Want To Delete A Record? (Y/N) : ")
   nm3 = input("Delete Record For Which Name : ")
   sql5="DELETE FROM Student WHERE name='"+nm3+"';"
   if res=='Y':
      cur.execute(sql5)
      db.commit()
      print ("Record Deleted Successfully!!!")
      cur.execute(sql3)
      set=cur.fetchall()
      for record in set:
       print (record)
except:
   print ("Error In Operation!!!")
   db.rollback()
db.close()
```

```
12002040701067
Enter Name, Department, Gender And Total_Marks : Hunaid CE Male 56
Press 1 To Enter Again : 1
Enter Name, Department, Gender And Total_Marks : Harshad CE Male 89
Press 1 To Enter Again : 1
Enter Name, Department, Gender And Total_Marks : Dhruval IT Male 90
Press 1 To Enter Again : 1
Enter Name, Department, Gender And Total_Marks : Aeshwary ME Male 94
Press 1 To Enter Again : 1
Enter Name, Department, Gender And Total_Marks : Hitendra EC Male 75
Press 1 To Enter Again : 0
5 Records Added Successfully!!!
--------------------------------------------------------------------------------
(1, 'Hunaid', 'CE', 'Male', 56)
(2, 'Harshad', 'CE', 'Male', 89)
(3, 'Dhruval', 'IT', 'Male', 90)
(4, 'Aeshwary', 'ME', 'Male', 94)
(5, 'Hitendra', 'EC', 'Male', 75)
--------------------------------------------------------------------------------
Enter New Total_Marks In Particular Name : 92 Hunaid
Record Updated Successfully!!!
(1, 'Hunaid', 'CE', 'Male', 92)
(2, 'Harshad', 'CE', 'Male', 89)
(3, 'Dhruval', 'IT', 'Male', 90)
(4, 'Aeshwary', 'ME', 'Male', 94)
(5, 'Hitendra', 'EC', 'Male', 75)
--------------------------------------------------------------------------------
Do You Want To Delete A Record? (Y/N) : Y
Delete Record For Which Name : Hunaid
Record Deleted Successfully!!!
(2, 'Harshad', 'CE', 'Male', 89)
(3, 'Dhruval', 'IT', 'Male', 90)
(4, 'Aeshwary', 'ME', 'Male', 94)
(5, 'Hitendra', 'EC', 'Male', 75)
```