Pratical 6.2

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.

In [34]:
```
import sqlite3
```

Establish the connection with Education database named “Education” in SQLite

In [35]:
```
con = sqlite3.connect('Education.db')
```

Create a table named Student (with id_no, name, department, gender, total_marks) in Education database.

In [52]:
```
cursor = con.cursor()
#cursor.execute("drop table Student")
cursor.execute("""CREATE TABLE Student (id_no INTEGER PRIMARY KEY AUTOINCRE
MENT, name TEXT, department TEXT,gender TEXT, total_marks INTEGER)""")
```

Out[52]:
```
<sqlite3.Cursor at 0x247e9807f80>
```

Perform insert, update, select and delete operation on Student table.

In [53]:
```
cursor.execute("INSERT INTO Student (name, department, gender, total_marks)
VALUES (?, ?, ?, ?)",
               ("Gaurav Patel","CSD","male",95))
cursor.execute("INSERT INTO Student (name, department, gender, total_marks)
VALUES (?, ?, ?, ?)",
               ("Jay Patel","CE","male",78))
con.commit()
```

In [54]:
```
cursor.execute("select * from Student")
for row in cursor.fetchall():
    print(row)
```

```
(1, 'Gaurav Patel', 'CSD', 'male', 95)
(2, 'Jay Patel', 'CE', 'male', 78)
```

Perform Update

In [55]:
```
cursor.execute("update Student set total_marks=? where name=?",(87,"Jay Pat
el"))
```

Out[55]:
```
<sqlite3.Cursor at 0x247e9807f80>
```

Perform Select

In [56]:
```
cursor.execute("select * from Student")
for row in cursor.fetchall():
    print(row)
```

```
(1, 'Gaurav Patel', 'CSD', 'male', 95)
(2, 'Jay Patel', 'CE', 'male', 87)
```

Perform Delete

In [59]:
```
cursor.execute("delete from Student where id_no=?",("1"))
con.commit()
```

In [60]:
```
cursor.execute("select * from Student")
for row in cursor.fetchall():
    print(row)
```

```
(2, 'Jay Patel', 'CE', 'male', 87)
```

In [61]:
```
con.close()
```