

## **SQLite COMMANDS**

- **creating database**
- **creating table**
- **adding values into table**
- **updatation:**

**updating a record**

**adding a row**

**adding a column**

**rename a column**

**rename a table**

- **delete:**

**delete a row**

**delete a column**

**delete a table**

- **view table datas:**

**view all by select query**

**view records by where condition**

**by select query**

---

## creating database

```
s.py > ...
1  import sqlite3
2
3  c = sqlite3.connect("school.db")
4  print("connection ok!!!!")
```

---

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
PS C:\Users\synnefo\Desktop\anandukriz> & "C:/Program F
exe" c:/Users/synnefo/Desktop/anandukriz/s.py
connection ok!!!!
PS C:\Users\synnefo\Desktop\anandukriz> █
```

## creating table

```
5
6  c.execute(''' CREATE TABLE STUDENT
7      (id INT NOT NULL,
8      name VARCHAR(20),
9      age INT NOT NULL,
10     PRIMARY KEY(id)
11     ) ''')
12  c.commit()
13  print("added successfully")
14  c.close()
15
```

---

## adding values into table

```
6
7 c.execute("INSERT INTO STUDENT VALUES (111,'Emy', 22)")
8 c.execute("INSERT INTO STUDENT VALUES (222,'riya', 25)")
9 c.execute("INSERT INTO STUDENT VALUES (333,'miya', 22)")
10 c.commit()
11
12 print("added datas")
13 c.close()
14
```

PROBLEMS OUTPUT **TERMINAL** ... Python + - [ ] [X] ... ^ >

```
PS C:\Users\synnefo\Desktop\anandukriz> & "C:/Program Files/Python311/
python.exe" c:/Users/synnefo/Desktop/anandukriz/s.py
connection ok!!!!
added datas
PS C:\Users\synnefo\Desktop\anandukriz>
```

## updation:

### updating a record

```
19
20 c.execute('''UPDATE STUDENT SET name = 'nihara' WHERE
id=111 ''')
21 print("updated")
22
23 c.close()
24
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** Python + - [ ] [X] ... ^ >

```
PS C:\Users\synnefo\Desktop\anandukriz> & "C:/Program Files/Python311/
python.exe" c:/Users/synnefo/Desktop/anandukriz/s.py
connection ok!!!!
updated
PS C:\Users\synnefo\Desktop\anandukriz> █
```

## **Add a new column**

**Example:-**

```
addColumn = "ALTER TABLE student ADD COLUMN Address  
varchar(32) "  
  
c.execute(addColumn)
```

---

## **RENAME COLUMN NAME:**

```
ALTER TABLE table_name RENAME COLUMN current_name TO new_name;
```

---

## **Rename table name**

```
renameTable = "ALTER TABLE student RENAME TO stud"  
  
c.execute(renameTable)
```

---

## DELETE

### Delete a column

```
ALTER TABLE student DROP COLUMN address;
```

---

### Delete a row

```
DELETE FROM student WHERE id= 111;
```

---

### Delete table

```
dropTable = "DROP TABLE student"  
c.execute(dropTable)
```

---