#### Satyam - 62

# **Importing**

```
In [1]: import sqlite3
```

# **Connecting to Database**

```
In [12]: connection = sqlite3.connect ('./genericDatabase.db')
    cursor = connection.cursor ()
```

#### **Create Table**

```
In [3]:
    cursor.execute('''
        CREATE TABLE IF NOT EXISTS students (
            id INTEGER PRIMARY KEY AUTOINCREMENT,
            name TEXT NOT NULL,
            age INTEGER NOT NULL
        )
    '''')
    connection.commit()
```

# **CRUD Operations**

# Create (Insertion)

```
In [13]: def create_student(name, age):
    cursor.execute('''
        INSERT INTO students (name, age)
        VALUES (?, ?)
    ''', (name, age))
```

```
connection.commit()
  print("Record added successfully!")

create_student("Griffith", 20)
  create_student("Guts", 22)
  create_student("Sonny", 38)

Record added successfully!
Record added successfully!
Record added successfully!
```

## Read (Retrieve)

### **Update**

```
update_student_age(5, 30) # Updating Alice's age to 21
read_students()

Student age updated successfully!
Student Records:
(1, 'Griffith', 20)
(3, 'Griffith', 20)
(4, 'Guts', 22)
(5, 'Sonny', 30)
```

#### **Delete**

## Closing the database connection

```
In [17]: connection.close ()
In []:
```