

## 1- GENERAL PIPELINE OF CREATING A NEW TABLE IN AN SOLITE DATABASE FROM A PYTHON PROGRAM

- First, create a Connection object using the connect() function of the sqlite3 module.
- Second, create a Cursor object by calling the cursor() method of the Connection object.
- Third, pass the CREATE TABLE statement to the execute() method of the Cursor object and execute this method.

## 2- GENERAL PIPELINE TO QUERY DATA IN AN SQLITE DATABASE FROM PYTHON

- First, establish a connection to the SQLite database by creating a Connection object.
- Next, create a Cursor object using the cursor method of the Connection object.
- Then, execute a SELECT statement.
- After that, call the fetchall() method of the cursor object to fetch the data.
- Finally, loop the cursor and process each row individually

## 3- SYNTAX OF A TYPICAL SQL QUERY

SELECT expression1 AS alias1, expression2 AS alias2, ... expression\_n AS alias3, aggregate\_function (aggregate\_expression) AS aliasAgg FROM tables AS aliastable [WHERE conditions] GROUP BY expression1, expression2, ... expression\_n HAVING condition;

## 4 - JOINS

There are 4 types of joins: Inner join, full outer join, Left join, Right join. Joins results are temporary created tables that are not saved in the databas