Python SQLite Create a New Database Example

In this tutorial, you will learn how to create database using Python `sqlite3` module.
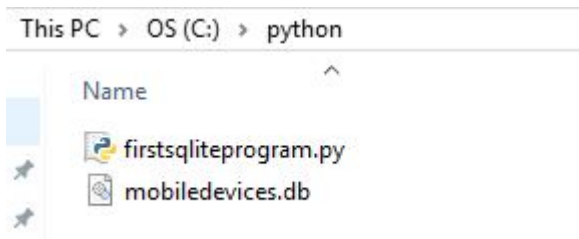
First of all, you have to connect to the database by passing the database file to `connect()` function. If the database does not exist then new database is created and you are connected to that database. And if in case the database exists then you are connected to that database. You can pass absolute or relative path to the file to `connect()` function.

The following program will create a new database file `mobiledevices.db`.

```python
import sqlite3

conn = sqlite3.connect('mobiledevices.db')
print('Connected to database successfully.')
```

Save the above code in a file named `firstsqliteprogram.py` and this file is placed in `C:\python` folder. On running the above code, you will get `mobiledevices.db` file in `C:\python` folder.

How to create database in memory(RAM)?

If you want to create database in memory instead of database file then pass `:memory` to `connect()` function. The following code will show you how to achieve this-

```python
import sqlite3

conn = sqlite3.connect(':memory')
print('Connected to database successfully.')
```