



# Day 40

## SQLite in Python





# SQLite in Python

- **SQLite3** is a very easy-to-use database engine.
- It is self-contained, serverless, zero-configuration, and transactional.
- It is very fast and lightweight, and the entire database is stored in a single disk file.
- The Python Standard Library includes a module called "**sqlite3**" intended for working with this database.



# Using Python's SQLite Module

To use the SQLite3 module we need to add an import statement to our python script:

```
import sqlite3
```

# Connecting SQLite to the Database

- We use the function `sqlite3.connect` to connect to the database.
- We can use the argument `":memory:"` to create a temporary DB in the RAM or pass the name of a file to open or create it.

```
# Create a database in RAM
db = sqlite3.connect(':memory:')
# Creates or opens a file called mydb with a
SQLite3 DB
db = sqlite3.connect('data/mydb')
```