

Python for Web Developers Learning Journal

Exercise 1.6: Connecting to Databases in Python

Learning Goals

- Create a MySQL database for your Recipe app

Reflection Questions

1. What are databases and what are the advantages of using them?

Databases allow you to store data in organized collections. The advantages of using databases include keeping data in a standardized format so you can store, access, and manage it more easily. Additionally, databases offer enhanced security through password access to safeguard data.

2. List 3 data types that can be used in MySQL and describe them briefly:

Data type	Definition
VARCHAR(n)	String of variable length, with n representing the maximum number of characters.
INT	Standard integers. It defines whole numbers that represents numerical data.
DATETIME	A date and time value in YYYY-MM-DD format

3. In what situations would SQLite be a better choice than MySQL?

SQLite is a better choice than MySQL in cases where you want to work with very simple databases. SQLite is a RDMS that is already embedded into applications and requires no installation making it portable and efficient. It is a suitable choice for just testing a database or when you have a small dataset.

4. Think back to what you learned in the Immersion course. What do you think about the differences between JavaScript and Python as programming languages?

Python emphasizes readability and simplicity which makes it more suitable for backend programming, whereas Javascript is primarily used for web development and offering interactive functionality in web browsers.

5. Now that you're nearly at the end of Achievement 1, consider what you know about Python so far. What would you say are the limitations of Python as a programming language?

As I am I still learning about Python, I would say the only limitation I have noticed is that it's not as suitable for front-end development but I want to work with it's frameworks such as Djano and Flask to see how it compares to Javascript.