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 are data stored outside of your local storage. Advantages include keeping data in a standardized format so you can store and access it more easily, be made secure through password access, and they are accessible by using applications other than Python due to universally acceptable format.

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

Data type	Definition
INT	Standard integers
FLOAT	Floating-point decimal numbers
DATETIME	Datetime values

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

SQLite would be better when working with simple databases. Examples include a web page for a small business that stores customers' email addresses or if you want to test a database without having to set up an entire database engine.

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?

For me Python has been easier to grasp and understand better than JavaScript. The coding and syntax feels to be simpler than Javascript. In my opinion, Python is just more straightforward amd less complex.

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?

Because it is simple to use it might not be best for large projects or complex websites. Also, if using Python for an extended period of time, you may tend to have trouble working in other languages that are more extensive since Python is so easy to use.