

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 organized collections of structured information, or data, typically stored electronically in a computer system. The use of databases allows us to make our data persistent and accessible to users that are allowed to view them.

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

Data type	Definition
INT	Standard Integers
VARCHAR(n)	String of variable length, n represents the maximum number of characters.
FLOAT	Floating-point decimal numbers

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

SQLite would probably be a better choice for applications that only need simple databases like a website with limited amount of data to store.

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?

The difference between Javascript and Python seems to be that python is more user friendly when reviewing/looking through code. The ease of readability makes commenting code useful, however not exactly needed. Both Javascript and Python use packages. Javascript packages appear to be easier to manage rather than Python packages.

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?

I don't know any limitations of Python besides the handling of packages and having multiple programmers working on a project may make maintaining applications difficult as if one developer's code does not directly match the other's, errors can be frequent and cause errors to appear frequently.