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 form of storage. They have advantages over regular local storage because data is formatted in a standard way. Also, there is the option of using password protection. Because of their universality, they can be accessed through various applications.

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

Data type	Definition
VARCHAR(n)	This is used for string data types. N is the number of max characters
INT	This is for integer data types
FLOAT	This is for float or numbers with decimals values.

3. In what situations would SQLite be a better choice than MySQL?
   SQLite is good for situations where there in not a lot of storage. This version stored data in .db files and does not require installation or setup. It would be good for just storing emails for email delivery for example.

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?
   Comparing JavaScript with Python so far, I can see why some would say Python is a little more straightforward. A lot of the programming language is less complex when it comes to usage and things of that nature.

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?
   While I likes learning Python so far, this section on SQL I found a little complicated to install and use SQL with Python. I eventually figured it out, but took a little bit of work to get things working.