

## 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 data that make it easy to store, search, and retrieve data. A few of the advantages are that they keep data in standardized formats for easier access, they can be accessed by various applications and interfaces, and they allow for scalability.**
2. List 3 data types that can be used in MySQL and describe them briefly:

Data type	Definition
Integer	whole numbers
Text	character strings or textual data, such as names, descriptions, or any free-form text.
Float	any numeric values that can have decimal places.

3. In what situations would SQLite be a better choice than MySQL? **Working with very simple databases, like what a small business might use to keep track of customer info.**
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 feels easier to write, more intuitive. I also find tools like ipython help to make Python easier to run.**
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? **So far, the only limitation I can tell, is that python is not really used ever for front end development.**