### Challis Regan

### 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?
   1. A database is an organized collection of data. Databases
   2. “store your data in organized collections”
   3. “They keep data in a standardized format so you can store and access it more easily;
   4. they can be made secure through password access;
   5. and, thanks to databases’ universally acceptable format, you can access them using applications other than Python as well.”
   6. “database is an organized collection of data or a type of data store based on the use of a database management system (DBMS), the software that interacts with end users, applications, and the database itself to capture and analyze the data.”
2. List 3 data types that can be used in MySQL and describe them briefly:

|  |  |
| --- | --- |
| **Data type** | **Definition** |
|  |  |
|  |  |
|  |  |

1. In what situations would SQLite be a better choice than MySQL?
2. Think back to what you learned in the Immersion course. What do you think about the differences between JavaScript and Python as programming languages?
3. 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?