Exercise 1.7: Finalizing Your Python Program

Learning Goals

- Interact with a database using an object-relational mapper
- Build your final command-line Recipe application

Reflection Questions

1. What is an Object Relational Mapper and what are the advantages of using one?
    - ORMs are used to interact between OOP languages and a database. It acts like a bridge between high level script and the low level database.
    - Advantages:
        o Simplified interacting and ease of use
        o Improved data integrity
        o Portability
        o Improved performance

2. By this point, you've finished creating your Recipe app. How did it go? What's something in the app that you did well with? If you were to start over, what's something about your app that you would change or improve?
    - I feel like creating the recipe app went well. I think that the flow of the app is easy to use and performant. If I did it again I would spend a little more time on improving it visually and making it more appealing to look at while using

3. Imagine you're at a job interview. You're asked what experience you have creating an app using Python. Taking your work for this Achievement as an example, draft how you would respond to this question.
    - I have experience using python to make a simple Recipe App which allowed users to add recipes to a MySQL database using an ORM.
    - Additional features included in the app are: Searching for Recipes, Editing Recipes, Deleting Recipes, and Functions to calculate recipe difficulty.

4. You've finished Achievement 1! Before moving on to Achievement 2, take a moment to reflect on your learning in the course so far:
    a. What went well during this Achievement?
        o I believe I have good introductory knowledge of Python by completing this achievement. I also feel that the overall outcome of my recipe app was well done.
    b. What's something you're proud of?
        o I'm proud that I finished the achievement and the overall finished recipe app.
    c. What was the most challenging aspect of this Achievement?
        o The most challenging part was adjusting to the different syntax between JavaScript the past Achievements into Python. I wouldn't say it was overwhelming difficult, but it did have its differences that need to be learned.

d. Did this Achievement meet your expectations? Did it give you the confidence to start working with your new Python skills?
   o This achievement did meet expectation and was fun to accomplish.
e. What's something you want to keep in mind to help you do your best in Achievement 2?
   o Keep trying to do my best work and learn as much as I can.

Well done—you've now completed the Learning Journal for Achievement 1. As you'll have seen, a little metacognition can go a long way!