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?

Object Relational Mapper is a tool / a package that allows interaction with our database without using the SQL syntax but instead using Classes and Objects.

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 about your app would you change or improve?

App development using Python was very smooth and I appreciated the readability of the code.

3. Imagine you're at a job interview. You're asked what experience you have created an app using Python. Taking your work for this Achievement as an example, draft how you would respond to this question.

I created a Recipe App using Python. At first, this App was rather simple and allowed to create recipes and store them locally without the use of any DBMS. Then I added some functionalities step by step, such as:
- The possibility to store the recipes on a MySQL database
- The possibility to calculate the difficulty of the recipes depending on a combination
of cooking time and number of ingredients
- The possibility to search for recipes with a certain number of ingredients
The different options are accessible through the use of a Menu on the Command Line.

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?
The different concepts around Python Syntax.
   b. What's something you're proud of?
I could tackle all the steps rather well and I was not blocked for too long. When this happened, I could solve the issues by myself.
   c. What was the most challenging aspect of this Achievement?
I believe the most challenging part was the setup of the environment as I encountered some issues with some old Python versions already installed on my computer.
   d. Did this Achievement meet your expectations? Did it give you the confidence to start working with your new Python skills?
Definitely. I am very satisfied I could build the code step by step and tackle the issues one after the other. I am rather confident that I could reproduce this process again with some other
App.
   e. What's something you want to keep in mind to help you do your best in Achievement 2?
Do not rush, be patient. Take a step at a time.