Exercise 1.7: Finalizing Your Python Program

1. **What is an Object Relational Mapper and what are the advantages of using one?**

   An Object Relational Mapper (ORM) is a tool that converts data from your database into classes and objects you can interact with directly. This skips the hassle of needing to do SQL queries and simplifies the process considerably.

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 am happy with how my Recipe App turned out overall. It was nice seeing my code get more organized as I went on and grew more comfortable with python and the syntax in general. I think the biggest change I would make would be to add more loops into my code earlier on. They are such a powerful tool for so many different functions that I wasn't using to its max potential.

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 was tasked with creating a recipe app using Python, which stores and modifies a long list of recipes users can enter. Due to the large amount of back and forth between the app and the backend database, I was able to learn a lot about SQL querying and become a lot more comfortable with that backend focus.

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:**
   - **What went well during this Achievement?**
   - **What's something you're proud of?**
   - **What was the most challenging aspect of this Achievement?**
   - **Did this Achievement meet your expectations? Did it give you the confidence to start working with your new Python skills?**
   - **What's something you want to keep in mind to help you do your best in Achievement 2?**

I think the app design went well this achievement. The course did a lot of guiding, but the app feels really responsive and I've been consistently satisfied with that every lesson. The biggest challenge for me was definitely working through the SQL syntax in lesson 1.6. It took a lot of trial and error to figure out where I was making mistakes and patch them up one at a time. Finding errors is a large part of programming though, so It was a good learning experience. Python ended up being a lot different than I expected, but I can see why it is so widely used. I hope I can make another app with it sometime and I feel I have only just scratched the surface of what it is capable of.