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 allows developers to interact with a database using objects, rather than writing raw SQL code. It simplifies database interactions, improves code readability and maintainability.

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?

The app went well overall. I did well with implementing the database and it worked well, I find working with SQL syntax is a bit tricky though. If I were to start over, I'd probably improve visually appealing to make it easier to read lines.

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.

In my recent project, I created a Recipe app, it has involved building databases using Python and MySQL. I implemented some functionalities, such as storing the recipes on a MySQL database, calculating the difficulty of the recipes depending on a combination of cooking time and number of ingredients, search for recipes with a certain number of ingredients.

I created simple interfaces in the terminal to display menu options for interacting with data entries and reading, modifying, and removing data from the databases.

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?

I was able to complete the project successfully and learned a lot about Python and ORMs and got better understanding of SQL.

b.   What's something you're proud of?

I'm proud of being able to write a functional code from scratch.

c.   What was the most challenging aspect of this Achievement?

I think the most challenging aspect was implementing the database schema and how to write proper parts of some tasks to get results. But it'll come with the practice.

d.   Did this Achievement meet your expectations? Did it give you the confidence to start working with your new Python skills?

Yes, it met my expectations and I feel a little more confident in my Python skills now, but I feel like I need more time with it.

e.   What's something you want to keep in mind to help you do your best in Achievement 2?

I want to keep in mind to break down complex tasks into smaller, manageable parts and to not be afraid to ask for help when needed.