

# 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?
  - ORM converts the structure of your database into classes and object, thus making it easier to interact with.
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 learned a lot of useful skills that would be helpful for me to dive deeper into python. If I were to improve the app, I'd implement search filter and recipe categorization.
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've worked on a Recipe App using python. I have implemented basic CRUD operations to create, update and delete the recipes from my ORM based SQLAlchemy database. The app has input validations to maintain data integrity and prevent errors. And it has user-friendly interactive prompts that guide the users through various tasks.
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. I've learned basic understanding of Python and its frameworks.
  - b. What's something you're proud of?
    - i. I'm proud that I've built a complete app using python.
  - c. What was the most challenging aspect of this Achievement?
    - i. The most challenging part was probably setting up the environment.
  - d. Did this Achievement meet your expectations? Did it give you the confidence to start working with your new Python skills?
    - i. Yes, It did give me confidence to dive deeper into python.
  - e. What's something you want to keep in mind to help you do your best in Achievement 2?
    - i. As projects become more complicated, remembering to take things step by step and not getting overwhelmed.