

## **Exercise 1.4**

1. Why is file storage important when you're using Python? What would happen if you didn't store local files?

It is really important to store files because you would lose your data after closing the terminal if you didn't. When you store data, you can access it later.

2. In this Exercise you learned about the pickling process with the `pickle.dump()` method. What are pickles? In which situations would you choose to use pickles and why?

Pickles are complex data converted into bytes and stored as a binary file. I would use pickles when storing complex information like dictionaries because it would be easier for my machine to read.

3. In Python, what function do you use to find out which directory you're currently in? What if you wanted to change your current working directory?

To find my current directory, I would use `getcwd()`. If I wanted to change my directory, I would use `chdir()`.

4. Imagine you're working on a Python script and are worried there may be an error in a block of code. How would you approach the situation to prevent the entire script from terminating due to an error?

I would use try-except blocks. This ensures that the program can continue running if the user makes an error. These blocks prompt the user to correct the error so that they do not need to start over.

5. You're now more than halfway through Achievement 1! Take a moment to reflect on your learning in the course so far. How is it going? What's something you're proud of so far? Is there something you're struggling with? What do you need more practice with? Feel free to use these notes to guide your next mentor call.

Everything is going pretty well. I am proud of figuring out how to display information in a more succinct and neat way. I am struggling with remembering how to write specific data types off the top of my head and need to go back and reread how to set them up often. I know this will be resolved with time and practice!

