

Exercise 1.4

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

File storage is important so that you can access data before and after your script is run. If you didn't store local files, you could lose access to data you wanted to store, or you'd have to make async calls to an offsite database.

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?

We need pickles because data such as a dictionary is lost when our program terminates. We could store that data in JSON or txt. Pickles can store more complex python objects, that more compatible formats like JSON and txt can't

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?

You can use `os.getcwd()` to get current working directory.

You can use `os.chdir("/path/to/file")` to change the directory

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?

We can wrap the logic in a try else block for error handling.

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.

I'm proud of being able to pick up a new language quickly. It sure seems like exposure to more programming languages makes learning new ones easier!

I need to add more error handling to my program, I definitely allow for a lot of unhandled user error.

