### Exercise 1.4: File Handling in Python

#### Learning Goals

* Use files to store and retrieve data in Python

#### Reflection Questions

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

Every piece of data would be deleted at the end of the code run

1. 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?

Pickling is the process of converting a Python object into a byte stream(pickle). This byte stream can be stored in a file, sent over a network, or otherwise persisted. I would resort to this method if I had to store more complex data structure such as dictionaries.

1. 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?

I can use the os module and its function os.getwd().I can change directory with the function os.chdir(path)

1. 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 a try-exept block, so that in the event of an error I could execute some code I designed and not just let the code terminate or crash.

1. 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 actually really pleased with the amount of exercise that the current achievement is providing and I’m feeling pretty secure about the topics I’m learning