### Exercise 1.4: File Handling in Python

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

The data you work with will be lost when the script finishes executing or stop running the Python shell therefore you need to store them so that you can reuse the data later.

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?

Pickles are stream of bytes. the module ‘Pickle’ provides a method pickle.dump() that converts complex data like dictionaries into pickles and writes them into a binary file.

Additionally the method pickle.load() read pickles from a binary file and converts back to the original object.

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?

Python’s os module provides a method os.getcwd() which can be used to find out the current working directory. os.chdir() allows you to change the directory to work on.

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?

Using try-except block would be a good solution to handle errors. I would put the code that expect some errors to occur in a try block and prompt a message to notify the error occurrence in a except block.

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.

* It was relatively easy to get used to Python’s syntax as it’s simple and straight forward however, it can get confusing with other languages like JavaScript as some of syntax are very similar
* I am proud to learn and explore a brand new language that’s popular and widely used in different industries
* I would like to explore Python’s built-in methods() further