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?

File storage is important in Python as it allows you to keep data even after the program terminates. If you didn't store local files, your data would be lost, and you wouldn't be able to retrieve 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 a way to serialize Python objects, which means they can be converted to a format that can be saved to disk or transmitted over a network. Pickles are useful when you need to store data that can be easily reconstructed into a Python object, for sending data over a network.

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 use the os.getcwd() function to find out which directory you're currently in. To change your current working directory, you use the os.chdir() function.

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?

You would use a try-except block to catch and handle the error, preventing the script from terminating. This allows to handle the error and continue executing the script.