

Task 1.4:

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

It's necessary to store data in file on local machine because python interpreter deletes all data when script files finishes running. If you didn't store files in local storage any data used on the script file will be erased and won't be available for later use.

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?

In complex data structures it's difficult to structure the details on text format file. Using pickle though, you can store complex data in binary format files which is not readable to humans, to machine only.

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?

The function `"os.getcwd()"` - part of the `"os"` module - is used to locate the current directory you're working on. To change directory a function `"os.chdir()"` is used – again part of `"os"` module.

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 follow the `"try – except – else – finally"` approach to writing code. This should enable me to handle errors without terminating the whole script file rather continue to run without crashing.