

Exercise 4.1

- create a directory `labs/lab04` and add it to your repository.
- You will use this directory to add and submit the python programs you write for the following exercises:

Exercise 4.2

- `os.stat(path)` returns an object whose members describe various properties of the file or directory identified by `path`. Using this, write a function that will determine whether or not a file is more than one year old.

Exercise 4.3

- Write a simple version of `which` in Python. Your program should check each directory on the caller's path (in order) to find an executable program that has the name given to it on the command line.

Exercise 4.4

- Use the `os.path`, `stat`, and `time` modules to write a program that finds all files in a directory whose names end with a specific suffix, and which are more than a certain number of days old. For example, if your program is run as `oldfiles /tmp .backup 10`, it will print a list of all files in the `/tmp` directory whose names end in `.backup` that are more than 10 days old.