Bash Scripting

**Exercise 1**

The following options must be used in this exercise:

-e: To verify the existence of a file in a directory.

-f: To verify if an argument is a file.

-d: To verify if an argument is a directory.

1. Write a script that checks the existence in the current directory of the file whose name is entered by the user.
2. Write a script that checks that the name passed in parameter is a file or a directory.

**Exercise 2**

1. Write a Bash script based on the following requirements:

* Creates 25 empty (0 KB) files. (Hint: Use the **touch** command.).
* The file names should be **<yourName><number>**, **<yourName><number+1>**, **<yourName><number+2>**, and so on.

1. Modify the script to take into account the following conditions.

* Design the script so that each time you run it, it creates the next batch of 25 files with increasing numbers starting with the last or maximum number that already exists.

The command **ls file | wc -l** can be used.

**Hint:** Nbfiles=$(ls . | wc -l) ; The Nbfiles variable content the number of elements in the current directory.

* Do not hard code these numbers. You need to generate them by using automation.

**Exercise 3**

1. Create a directory Exo3 that contains f1 and f2 files. Write some notes in f1 and f2.
2. Create a shell script that performs the following operations:

* Create under your current directory ($HOME) a subdirectory named "SubD\_year\_month\_day" (The current date).
* Copy the files of "Exo3" under this directory then delete these same files of "Exo3".
* Create two files under the home directory ($HOME) of the person who launched the shell:
* a file named "Big\_file.pid" in which the concatenated content of the processed files will be found.
* a file named "Files\_names" in which the name of the processed files will be found.