COMP 8567
Winter 2023
In -class Lab 9
25 Marks

PART A:

Write a shell script lab9a.sh that could possibly receive the names of <u>up to</u> **5 text files (in the PWD)** as its input parameters. You have to use an **<u>until loop</u>** to concatenate the contents of all the text files in the **serial order** and store the final result in **output.txt**

- If a wrong file name (inexistent text file) or a wrong extension (other than .txt) is entered in the command line, the script must output an appropriate message and exit.

   Sample Runs:
- $ ./lab9a.sh f1.txt f2.txt f3.txt must concatenate the contents of f1,f2 and f3 in that order and store the results in output.txt (if all the text files exist in the PWD, otherwise output a suitable message and exit)
- $ ./lab9a.sh f1.c f2.txt //must output an error(not a .txt file) and exit
- $ ./lab9a.sh   //must output an error (no input files) and exit

PART B:

Write a shell script lab9b.sh using a **<u>for loop</u>** to concatenate the contents of all the text files (according to PART A) in the **<u>reverse order</u>** (of the file listing) and store the final result in **output_rev.txt**

- If a wrong file name (inexistent text file) or a wrong extension (other than .txt) is entered in the command line, the script must output an appropriate message and exit.

   Sample Runs:
- $ ./lab9b.sh f1.txt f2.txt f3.txt must concatenate the contents of f3,f2 and f1 in that order and store the results in output_rev.txt (if all the text files exist in the PWD, otherwise output a suitable message and exit)
- $ ./lab9b.sh f1.txt f2.pdf f3.c //must output an error(not a .txt file) and exit
- $ ./lab9b.sh   //must output an error (no input files) and exit

Submission (2 files)

- lab9a.sh
- lab9b.sh