

INGÉ1 - UNIX
LAB 11 – Filter Commands
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Exercise 1 : Filters

Q1. Using a single command line, list all files and directories in the root directory sorted by increasing size (display only the names of files/directories and their corresponding sizes).

Q2. Write a shell script that encrypts and decrypts an alphabetic text provided as an argument to the script. The encryption algorithm involves shifting each letter of the text to be encrypted by 13 positions.

Exercise 2 : Filters and Processing

This exercise performs specific processing on the result of the `ls -l` command to display statistical information related to files and folders in a directory provided as a script argument.

Q1. Write a shell script to display:

1. The number of regular files and the number of directories in a given directory.
2. The name of the file or directory with the maximum size (display only its name and size).
3. The maximum number of physical links as well as the name of the corresponding file (display only the name of the file with the maximum number of physical links).