

Homework 4 (some text utils, input/output redirection, pipe, command chaining)

- 1 Write a one line command that writes out the permission string (e.g. drwxr-xr-x) of the largest file starting with "X" (or any letter) in a directory (see man ls, use pipe).
- 2 Write out the sorted list of the last letters of all usernames (from /etc/passwd, hint: rev, pipe)
- 3 Write a command that counts the number of words on the second last line of any file (use pipe).
- 4 Write a command that tries to see a file content with "cat" and in case of "no permission", something is written out to the standard output.
- 5 In this construction, will the command3 be executed? `command1 || ! command1 || command2 && command3` (yes or no and why?)
- 6 Write a command the prints the filenames and the permissions in a directory using input/output redirection and the "paste" with the space as delimiter (1 one line command of course;), again, pipe will help and some smart input redirection) e.g.

test.file drwxr-xr-x

tornado.txt -rw-rw-r-

UpdatedCAF-V1.0.0-IGAC.pdf -rw-rw-r-

Videos -rw-rw-r-

west-20220826-150000-1661518800.mp4 drwxr-xr-x