

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 second last letter of all usernames (from /etc/passwd, hint: rev, pipe)
- 3 Write a command that counts the number of words on the third 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 commands2 and 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 (one line command of course and WITHOUT REDIRECTION TO EXTERNAL FILES!!!), again, pipe will help and some smart stdin redirection. Hint: you will have to use `i()`) 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.mp4 drwxr-xr-x