**Linux commands**

ls -a = list all files and folders

ls <folderName> = list files in folder

ls -lh = Detailed list, Human readable

ls -l \*.jpg = list jpeg files only

ls -lh <fileName> = Result for file only

touch <fileName> = create or update a file

pwd = print working directory

ln file1 file2 = physical link

man <command> = shows manual (RTFM)

cd <folderName> = change directory

if folder name has spaces use “ “

cd / = go to root

cd .. = go up one folder, tip: .. /../../

du -h: Disk usage of folders, human readable

du -ah: “ “ “ files & folders, Human readable

du -sh: only show disc usage of folders

cp -R stuff otherStuff = copy and rename a folder

cp \*.txt stuff/ = copy all of \*<file type> to folder

mv file.txt Documents/ = move file to a folder

mv <folderName> <folderName2> = move folder in folder

mv filename.txt filename2.txt = rename file

mv <folderName>/. = move folder up in hierarchy

mv <fileName> stuff/newfileName

rm <fileName> = delete file (s)

rm -f <fileName> = force deletion of a file

rm -r <foldername>/ = delete folder

rm -i <fileName>. = ask for confirmation each file

cat <fileName> = show content of file

head = from the top -n <#oflines> <fileName>

tail = from the bottom -n <#oflines> <fileName>

TAB = auto completion of file or command

CTRL E = Cursor the end of line

CTRL U = Delete left of the cursor

CTRL K = Delete right of the cursor

CTRL W = Delete word on the left

CTRL Y = Paste (after CTRL U,K or W)

CTRL R = reverse search history

mkdir = create new folder

mkdir myStuff..

mkdir myStuff/pictures/..

useradd usr1 --Add new user usr1 with default settings

**userdel loginname--** delete the user account together with user’s home directory and all files inside it.

Researching Files Extract, sort and filter data

locate <text> = search the content of all the files

locate <fileName> = search for a file

sudo updatedb = update database of files

Extract, sort and filter data

grep <someText> <fileName> = search for text in file

-i = Doesn't consider uppercase words

-I = exclude binary files

grep -r <text> <folderName>/ = search for file names with occurrence of the text

sort = sort the content of files

wc = word count

File Permissions

chown = change the owner of a file ex --> chown bob hello.txt

chown user:bob report.txt = changes the user owning report.txt to 'user' and the group owning it to 'bob'

chmod = modify user access/permission – simple way

u = user

g = group

o = other