### SHORT LIST OF LINUX TERMINAL COMMANDS

```
1s
    list directory contents
    EXAMPLE USAGE: 1s [OPTIONS] [FILE]
    POPULAR FLAGS:
    -a, --all
        list all files, including hidden
    -h, --human-readable
        show file sizes in a human-readable format, eg., 3.7K instead of 3771
    -1
        detailed list
    TYPICAL USAGE: ls -hal
    NOTES:
    First two items are always '.' and '..', these mean something. '.' means 'in
    this folder' or 'current directory'. '..' means 'one folder up'.
cd
    change directory
    EXAMPLE USAGE: cd [DESTINATION]
    NOTES:
    Destination can be defined relatively or explicitly. Relative path will likely
    be more common.
    Two special characters, '...' and '~'. '...' signifies 'one folder up' and '~'
    represents your home directory.
    TYPICAL USAGE: cd ~/CS211/HW01
pwd
    prints your current directory
    EXAMPLE USAGE: pwd
echo
    echoes back what it's given
    EXAMPLE USAGE: echo ~
    NOTES:
    If the thing being echoed is a represents something else, as shown in the
    example, then the representation is shown. On my laptop, the command echo \sim
    outputs /home/sweenish.
mν
    move (and rename) files
    EXAMPLE USAGE: mv [FILE] [DESTINATION]
    NOTES:
    Renaming is done by specifying the file to rename, and simply providing the new
    name. Eg., mv test test2 renames a file called test to test2.
```

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ср
    copy files
    EXAMPLE USAGE: cp [FILE] [DESTINATION]
man
    read the manual for a command
    EXAMPLE USAGE: man [COMMAND]
    NOTES:
    Nearly this whole guide was put together by reading man pages.
g++
    The C++ compiler that will be used for this class.
    EXAMPLE USAGE: g++ -Wall [INPUT NAME] -o [OUTPUT NAME]
    NOTES: The above example shows the method by which all programs will be
    compiled for grading.
ssh
    Remote login client using SSH
    EXAMPLE USAGE: ssh [USERNAME]@[REMOTE HOSTNAME]
    NOTES: This allows a remote connection from a Linux terminal or macOS Terminal
    to the Linux Lab. Windows users should use PuTTY instead.
scp
    secure copy and remote copy
    EXAMPLE USAGE: scp [(PATH/TO/)FILENAME(S)] [USERNAME]@[HOSTNAME]:
    [(PATH/TO/)FILENAME]
    POPULAR FLAGS:
        recursively copy a folder and its contents
    NOTES: This allows copying of files from a local machine running Linux or macOS
    to the Linux Lab. Windows users should use WinSCP instead.
apropos
    find a command
    EXAMPLE USAGE: apropos [KEYWORD(S)]
    NOTES: A good tool for those times when you forgot the exact command you want
    to use
rm
    remove files and/or folders
    EXAMPLE USAGE: rm [FLAGS] [FILENAMES(S)]
```

### POPULAR FLAGS:

-r, -R, --recursively

remove directories and their contents recursively

-f, --force

ignores files that don't exist, does not ask for confirmation. DANGEROUS! Ensure that you know exactly what you are deleting

-v, --verbose

Have rm explain everything it's doing

# NOTES:

All three flags are very common, but is important to be very careful when using the -f flag.

# mkdir

make directory

EXAMPLE USAGE: mkdir [DIRECTORY NAME]

POPULAR FLAGS:

-p, --parents

creates parent directories if needed

NOTES: It is a very good idea to organize your work

### cat

concatenates files

EXAMPLE USAGE: cat [FILENAME]

NOTES: Generally used to view the contents of a file quickly on the terminal

screen

### touch

update timestamps

EXAMPLE USAGE: touch [FILENAME]

NOTES: Will create the file if it does not exist.