Week Report 4

Practice from the presentation the Linux filesystem:

Practice 1

```
jsamaan@cis106: ~
jsamaan@cis106: ~
jsamaan@cis106: ~
pwd
/home/jsamaan
jsamaan@cis106: ~/Downloads > pwd
/home/jsamaan/Downloads > cd ..
jsamaan@cis106: ~/Downloads > cd ..
jsamaan@cis106: ~> cd ../../
jsamaan@cis106: /> pwd
/
jsamaan@cis106: /> cd -
/home/jsamaan
jsamaan@cis106: ~>
```

Practice 2

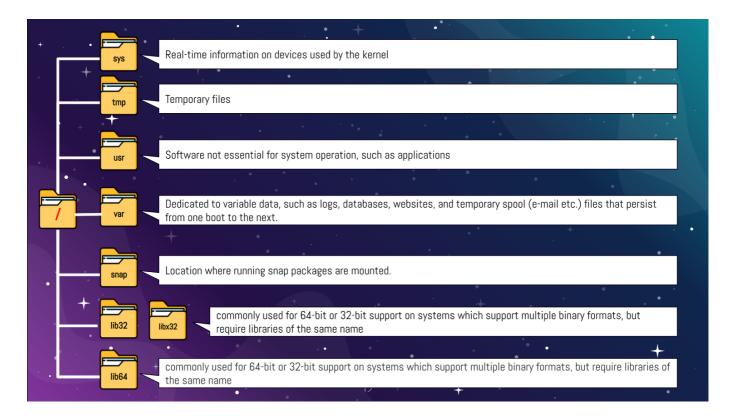
```
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```

Practice 3

```
ts106:/$ cd
ts106:-$ cd /
ts106:/$ cd usr/share/themes/
tshare/themes$ cd ../../
 gitcommands.txt
.gitconfig
  .profile
  .sudo_as_admin_successful
  unl/aehttps:XFRVECts106.comXFRssetxXFpracticels.lar.uz'
unl/aehttps:XFRXFCfs106.comXFRssetxXFpracticels.tar.uz.1'
unl/aehttps:XFRXFCfs106.comXFRssetxXFpracticels.tar.uz.2'
vboxclient-clipboard-tty2-control.pid
vboxclient-clipboard-tty2-service.pid
vboxclient-draganddorp-tty2-control.pid
  samaan@cis106:~$ ls -lh ~
total 2.3M
drwxrwxr-x 6 jsamaan jsamaan 4.0K Oct 11 23:25
drwxr-xr-x 3 jsamaan jsamaan 4.0K Oct 25 21:48
drwxr-xr-x 2 jsamaan jsamaan 4.0K Oct 11 20:21
drwxr-xr-x 2 jsamaan jsamaan 4.0K Oct 25 21:47
-rw-rw-r-- 1 jsamaan jsamaan 91 Oct 2 16:28
                                                                                                          gitcommands.txt
drwxrwxr-x 2 jsamaan jsamaan 4.0K Feb 22 2022
drwxr-xr-x 2 jsamaan jsamaan 4.0K Oct 2 14:10
drwxr-xr-x 2 jsamaan jsamaan 4.0K Oct 11 18:58
drwxrwxr-x 2 jsamaan jsamaan 4.0K Feb 27 2022
 rw-rw-r-- 1 jsamaan jsamaan 2.2M Oct 14 11:22
drwxr-xr-x 2 jsamaan jsamaan 4.0K Oct  2 14:10
drwx----- 5 jsamaan jsamaan 4.0K Oct  2 15:06
drwxr-xr-x 2 jsamaan jsamaan 4.0K Oct 2 14:10
-rw-rw-r-- 1 jsamaan jsamaan 1.5K Oct 25 21:39
-rw-rw-r-- 1 jsamaan jsamaan 1.5K Oct 25 21:42
-rw-rw-r-- 1 jsamaan jsamaan 1.5K Oct 25 21:42
drwxr-xr-x 2 jsamaan jsamaan 4.0K Oct 2 14:10
-rw-rw-r-- 1 jsamaan jsamaan 693 Oct 25 21:39
                                                                                                        'url?q=https:%2F%2Fcis106.com%2Fassets%2Fpracticels.tar.xz.1'
                                                                                                        'url?q=https:%2F%2Fcis106.com%2Fassets%2Fpracticels.tar.xz.2'
                                                                                                          wget-log
 -rw-rw-r-- 1 jsamaan jsamaan 697 Oct 25 21:42 wget-log.1
-rw-rw-r-- 1 jsamaan jsamaan 697 Oct 25 21:43 wget-log.2
-rw-rw-r-- 1 jsamaan jsamaan 565 Oct 25 21:46 wget-log.3
jsamaan@cts106:~$ ls -lgG -full-time ~
ls: invalid option -- '-'
Try 'ls --help' for more information.
jsamaan@cis106:~$ ls -1gG -full-time ~
ls: invalid option -- '-
Try 'ls --help' for more information.
jsamaan@cis106:-$ ls -lgG -full-time /
```

The Linux filesystem directories and their purpose:





All the commands for navigating the filesystem:

	Command	What it does	Syntax	Example
	pwd	prints current directory	pwd	'pwd'
	cd	current directory	cd	'cd'
•	ls	list files	ls	'ls'

Basic Terminology:

- File system: The way in which files are named and where they are put for storage and retrieval.
- Current directory: Where all the commands are being executed.
- parent directory: A directory that contains more folders (subdirectories).
- the difference between your home directory and the home directory: The base of the file tree versus your home directory is within the home directory.
- pathname: The location of a file or other items in a hierarchy.
- relative path: Link that points to a file location on the page where the link is located.
- absolute path: Starts from the root and describes every step you must take through the file system.