

Week Report 4

Practice 1



The screenshot shows a terminal window titled "Tilix: amejia40854@cis106: /home". The terminal displays a series of commands and their outputs for navigating the file system. The user starts in the home directory, runs 'pwd' to confirm the path, then uses 'cd' to move into the 'Downloads' directory, then back to the home directory using '..'. Finally, they run 'cd -' to return to the previous directory, which is the home directory. The prompt changes from '~' to '/home' and back to '~' as the user navigates.

```
1: amejia40854@cis106: /home
amejia40854@cis106:~$ pwd
/home/amejia40854
amejia40854@cis106:~$ cd /home/$USER/Downloads
amejia40854@cis106:~/Downloads$ cd ../
amejia40854@cis106:~$ cd ..
amejia40854@cis106:/home$ cd
amejia40854@cis106:~$ cd -
/home
amejia40854@cis106:/home$ |
```

Practice 2

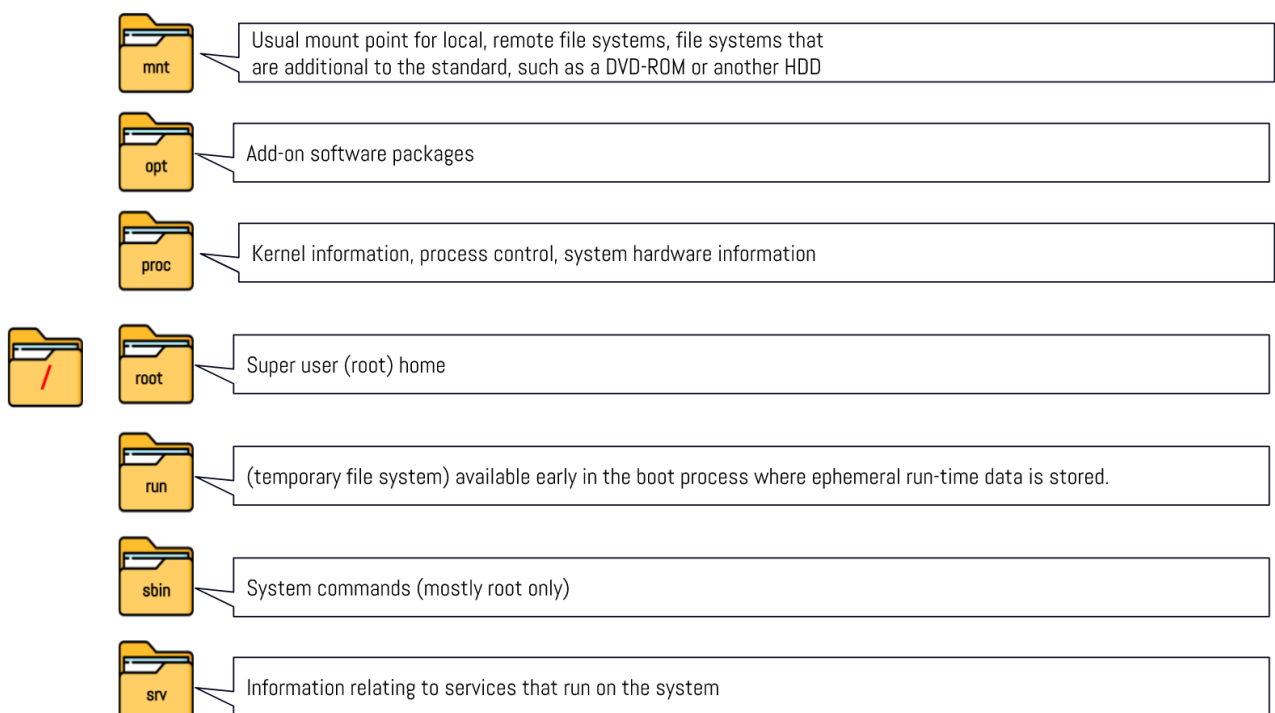
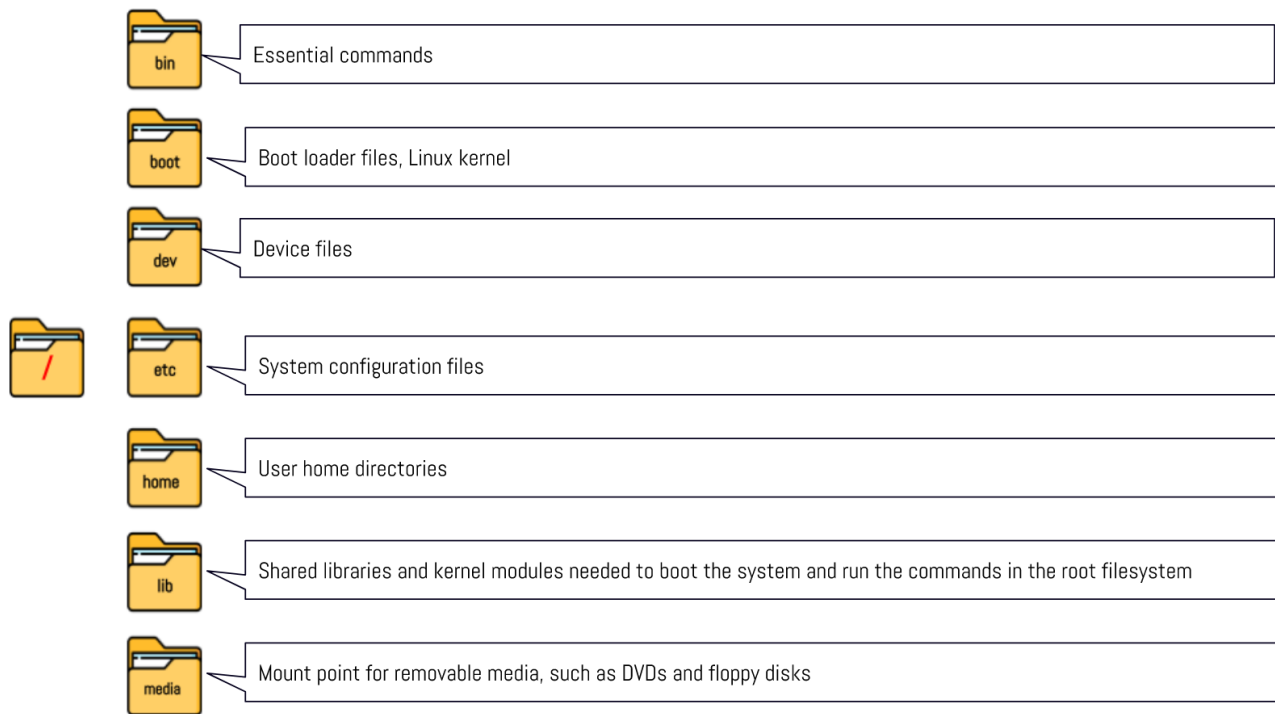
```
1/1 ~ + [ ] [ ] TiliX: amejia40854@cis106: ~
1: amejia40854@cis106: ~
drwxr-xr-x 2 amejia40854 amejia40854 4.0K Oct  5 17:58 Desktop
drwxrwxr-x 6 amejia40854 amejia40854 4.0K Oct  5 12:25 cis106
-rw-rw-r-- 1 amejia40854 amejia40854  97 Sep 26 23:48 gitcommands.txt
drwx----- 5 amejia40854 amejia40854 4.0K Sep 26 22:43 snap
drwxr-xr-x 2 amejia40854 amejia40854 4.0K Sep 22 19:09 Public
drwxr-xr-x 2 amejia40854 amejia40854 4.0K Sep 22 19:09 Templates
drwxr-xr-x 2 amejia40854 amejia40854 4.0K Sep 22 19:09 Videos
drwxrwxr-x 2 amejia40854 amejia40854 4.0K Feb 27 2022 practicels
amejia40854@cis106:~$ ls -lhGS
total 52K
drwxrwxr-x 6 4.0K Oct  5 12:25 cis106
drwxr-xr-x 2 4.0K Oct  5 17:58 Desktop
drwxr-xr-x 4 4.0K Oct 18 18:58 Documents
drwxrwxr-x 2 4.0K Oct 18 18:23 Downloads
drwx----- 7 4.0K Oct  9 01:06 Mail
drwxr-xr-x 2 4.0K Oct 18 18:58 Music
drwxr-xr-x 2 4.0K Oct  9 00:33 Pictures
drwxrwxr-x 2 4.0K Feb 27 2022 practicels
drwxr-xr-x 2 4.0K Sep 22 19:09 Public
drwx----- 5 4.0K Sep 26 22:43 snap
drwxr-xr-x 2 4.0K Sep 22 19:09 Templates
drwxr-xr-x 2 4.0K Sep 22 19:09 Videos
-rw-rw-r-- 1  97 Sep 26 23:48 gitcommands.txt
amejia40854@cis106:~$ ls -mr
Videos, Templates, snap, Public, practicels, Pictures, Music, Mail,
gitcommands.txt, Downloads, Documents, Desktop, cis106
amejia40854@cis106:~$ ls -lX
cis106
Desktop
Documents
Downloads
Mail
Music
Pictures
practicels
Public
snap
Templates
Videos
gitcommands.txt
amejia40854@cis106:~$ |
```

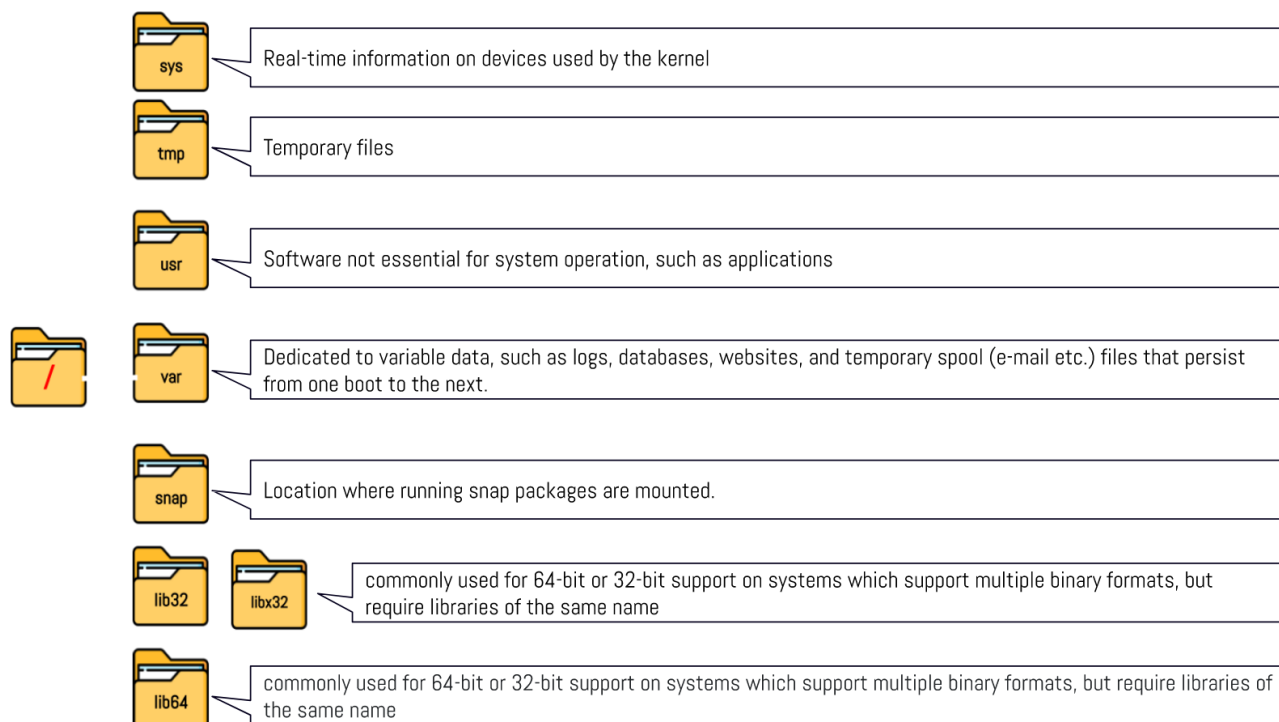
Challenge Practice

```
1/1 + [ ] [ ] Tilix: amejia40854@cis106: /usr
1: amejia40854@cis106: /usr v

/home/amejia40854/cis106/cheatSheets:
'Linux Workshop Ubuntu Software installation cheat sheet.png'
amejia40854@cis106:/usr$ ls -lh ~
total 52K
drwxrwxr-x 6 amejia40854 amejia40854 4.0K Oct  5 12:25 cis106
drwxr-xr-x 2 amejia40854 amejia40854 4.0K Oct  5 17:58 Desktop
drwxr-xr-x 4 amejia40854 amejia40854 4.0K Oct 18 18:58 Documents
drwxrwxr-x 2 amejia40854 amejia40854 4.0K Oct 18 18:23 Downloads
-rw-rw-r-- 1 amejia40854 amejia40854  97 Sep 26 23:48 gitcommands.txt
drwx----- 7 amejia40854 amejia40854 4.0K Oct  9 01:06 Mail
drwxr-xr-x 2 amejia40854 amejia40854 4.0K Oct 18 18:58 Music
drwxr-xr-x 2 amejia40854 amejia40854 4.0K Oct  9 00:33 Pictures
drwxrwxr-x 2 amejia40854 amejia40854 4.0K Feb 27 2022 practicels
drwxr-xr-x 2 amejia40854 amejia40854 4.0K Sep 22 19:09 Public
drwx----- 5 amejia40854 amejia40854 4.0K Sep 26 22:43 snap
drwxr-xr-x 2 amejia40854 amejia40854 4.0K Sep 22 19:09 Templates
drwxr-xr-x 2 amejia40854 amejia40854 4.0K Sep 22 19:09 Videos
amejia40854@cis106:/usr$ ls -lgG --full-time ~
total 52
drwxrwxr-x 6 4096 2023-10-05 12:25:38.266919627 -0400 cis106
drwxr-xr-x 2 4096 2023-10-05 17:58:00.251361236 -0400 Desktop
drwxr-xr-x 4 4096 2023-10-18 18:58:11.320675654 -0400 Documents
drwxrwxr-x 2 4096 2023-10-18 18:23:37.402830963 -0400 Downloads
-rw-rw-r-- 1  97 2023-09-26 23:48:14.868994675 -0400 gitcommands.txt
drwx----- 7 4096 2023-10-09 01:06:20.133211943 -0400 Mail
drwxr-xr-x 2 4096 2023-10-18 18:58:11.320675654 -0400 Music
drwxr-xr-x 2 4096 2023-10-09 00:33:49.570417440 -0400 Pictures
drwxrwxr-x 2 4096 2022-02-27 13:46:18.000000000 -0500 practicels
drwxr-xr-x 2 4096 2023-09-22 19:09:53.680000000 -0400 Public
drwx----- 5 4096 2023-09-26 22:43:16.663310878 -0400 snap
drwxr-xr-x 2 4096 2023-09-22 19:09:53.680000000 -0400 Templates
drwxr-xr-x 2 4096 2023-09-22 19:09:53.680000000 -0400 Videos
amejia40854@cis106:/usr$ |
```

Linux file system directories and their purpose





Navigating the file system

Command	What it does	Syntax	Example
<code>pwd</code>	displays the current working directory	<code>pwd</code>	<code>pwd</code>
<code>cd</code>	changes the current working directory	<code>cd + destination</code>	<code>cd ~/Downloads</code>
<code>ls</code>	displays all the files in a given directory	<code>ls + option + directory</code>	<code>ls -a ~/Pictures</code>

Basic terminology

- **File system**
 - The way files are stored and organized
- **Current directory**
 - The directory you are currently in at the moment
- **Parent directory**
 - The previous directory of your current directory
- **Your Home vs The home directory**
 - The home directory displays all the users utilizing the computer
 - Your home directory displays all your own user files
- **Pathname**
 - Indicates the location of the file in the file system
- **Absolute path**
 - The file location starting at the root of the file system
- **Relative path**
 - The file location starting at the current working directory

