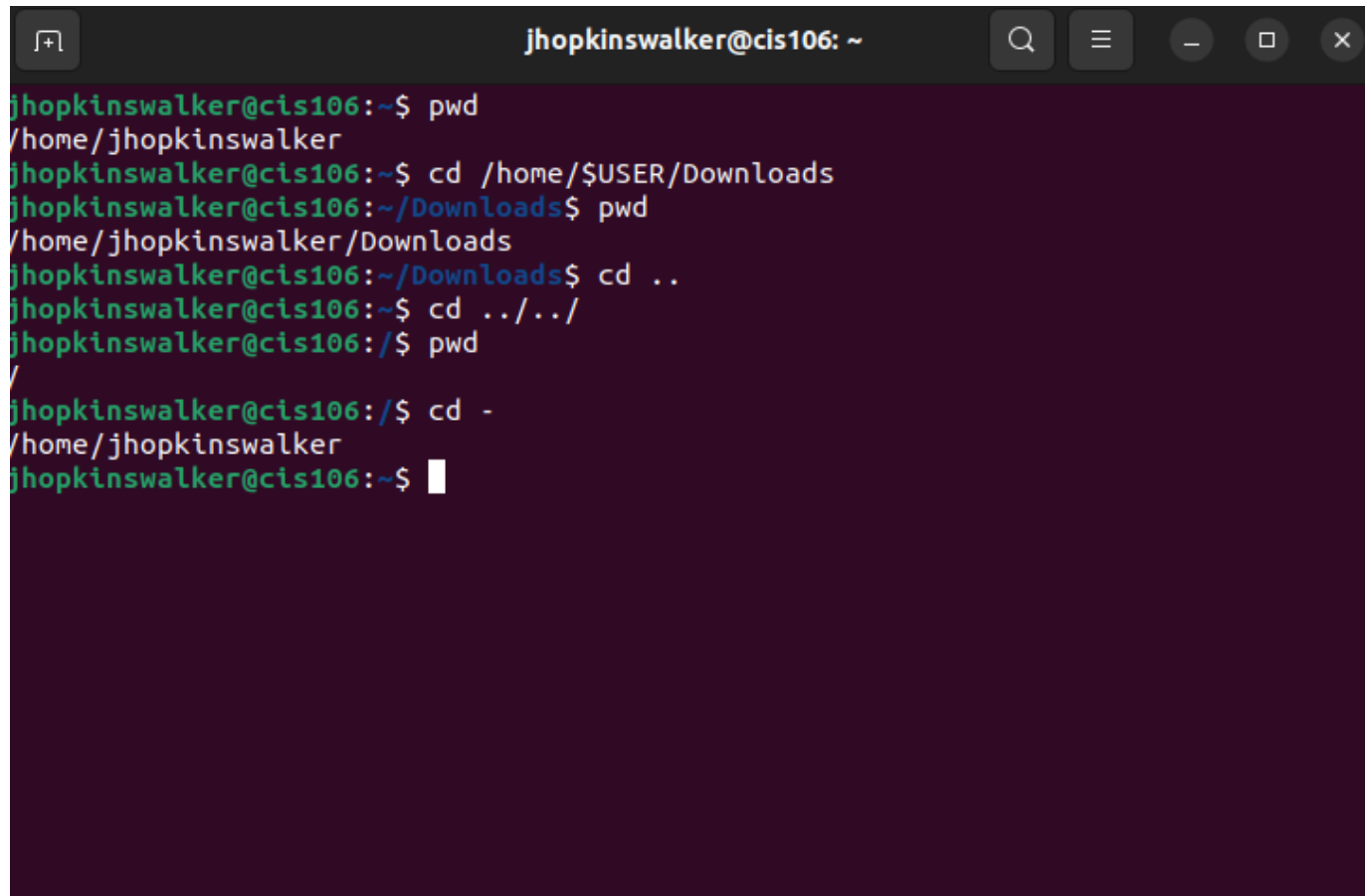


Week Report 4

PRACTICE FROM THE PRESENTATION THE LINUX FILE SYSTEM:

Practice 1



```
jhopkinswalker@cis106: ~  
jhopkinswalker@cis106:~$ pwd  
/home/jhopkinswalker  
jhopkinswalker@cis106:~$ cd /home/$USER/Downloads  
jhopkinswalker@cis106:~/Downloads$ pwd  
/home/jhopkinswalker/Downloads  
jhopkinswalker@cis106:~/Downloads$ cd ..  
jhopkinswalker@cis106:~$ cd ../../  
jhopkinswalker@cis106:/$ pwd  
/  
jhopkinswalker@cis106:/$ cd -  
/home/jhopkinswalker  
jhopkinswalker@cis106:~$
```

Practice 2

```
jhopkinswalker@cis106: ~/practicels
jhopkinswalker@cis106:~$ wget https://cis106.com/assets/practicels.tar.xz
--2023-10-27 23:00:04-- https://cis106.com/assets/practicels.tar.xz
Resolving cis106.com (cis106.com)... 185.199.108.153
Connecting to cis106.com (cis106.com)|185.199.108.153|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2229212 (2.1M) [application/x-xz]
Saving to: 'practicels.tar.xz'

practicels.tar.xz  100%[=====>] 2.12M  8.88MB/s  in 0.2s

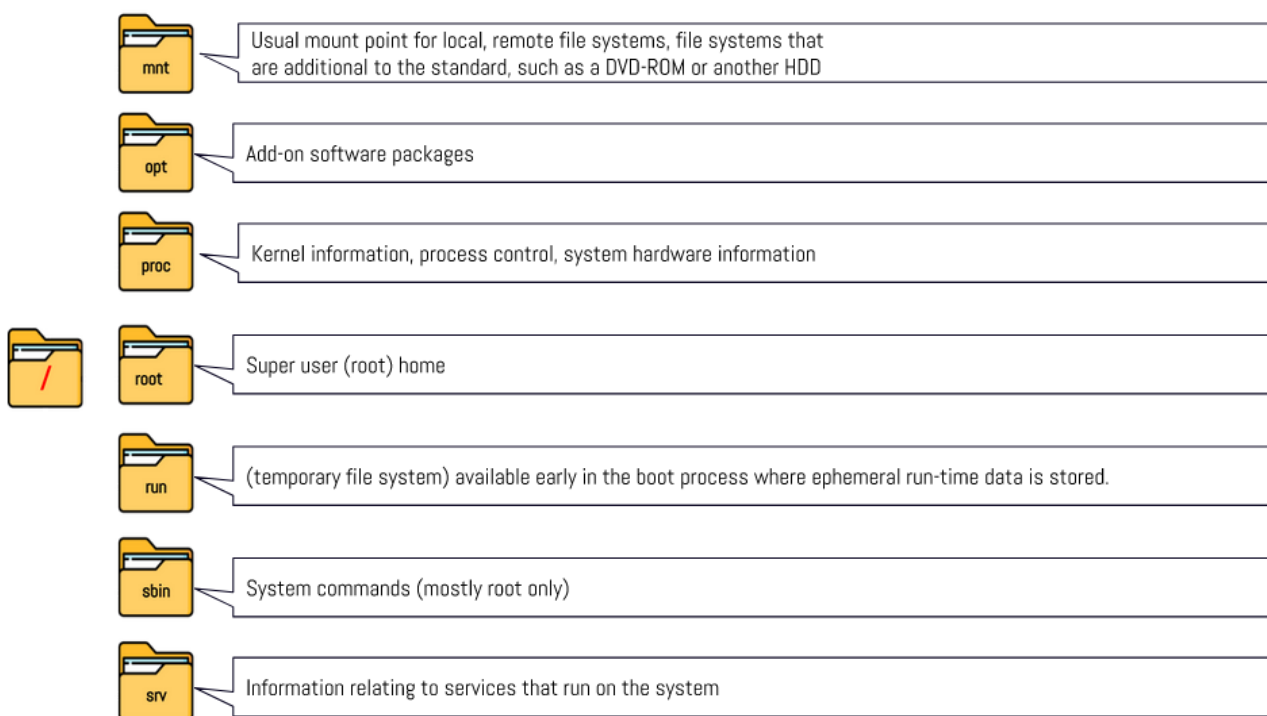
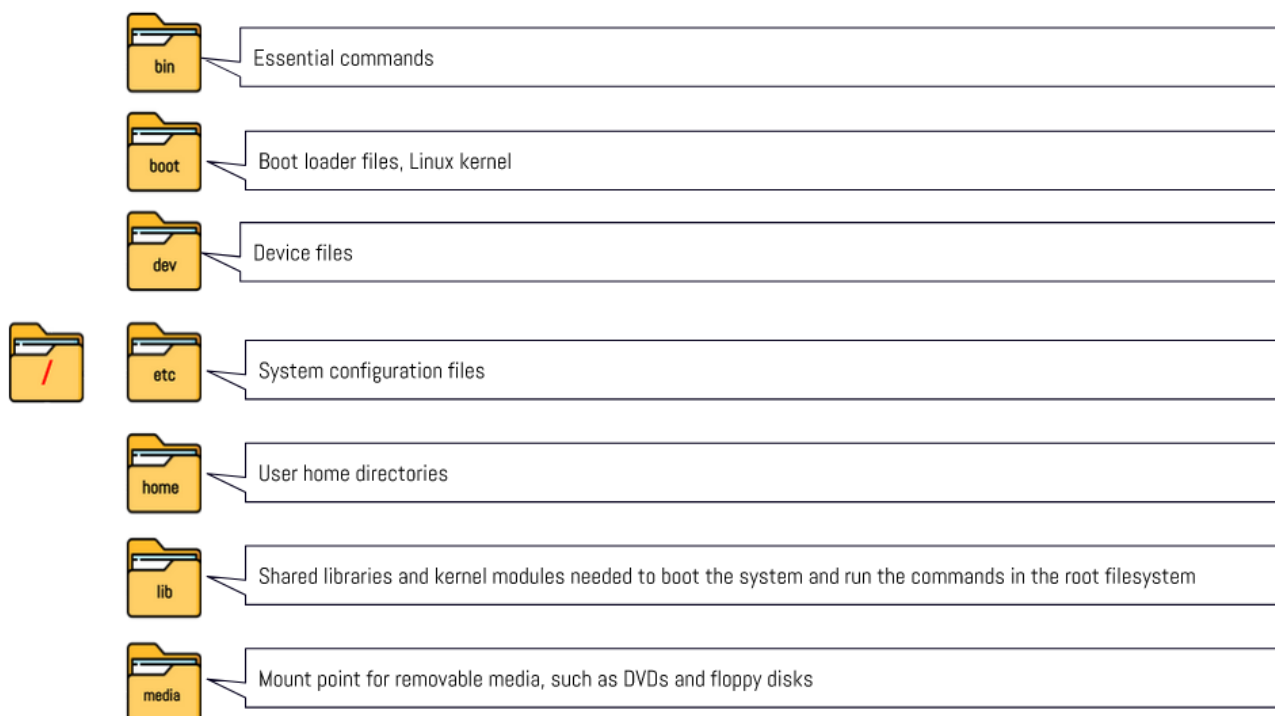
2023-10-27 23:00:05 (8.88 MB/s) - 'practicels.tar.xz' saved [2229212/2229212]

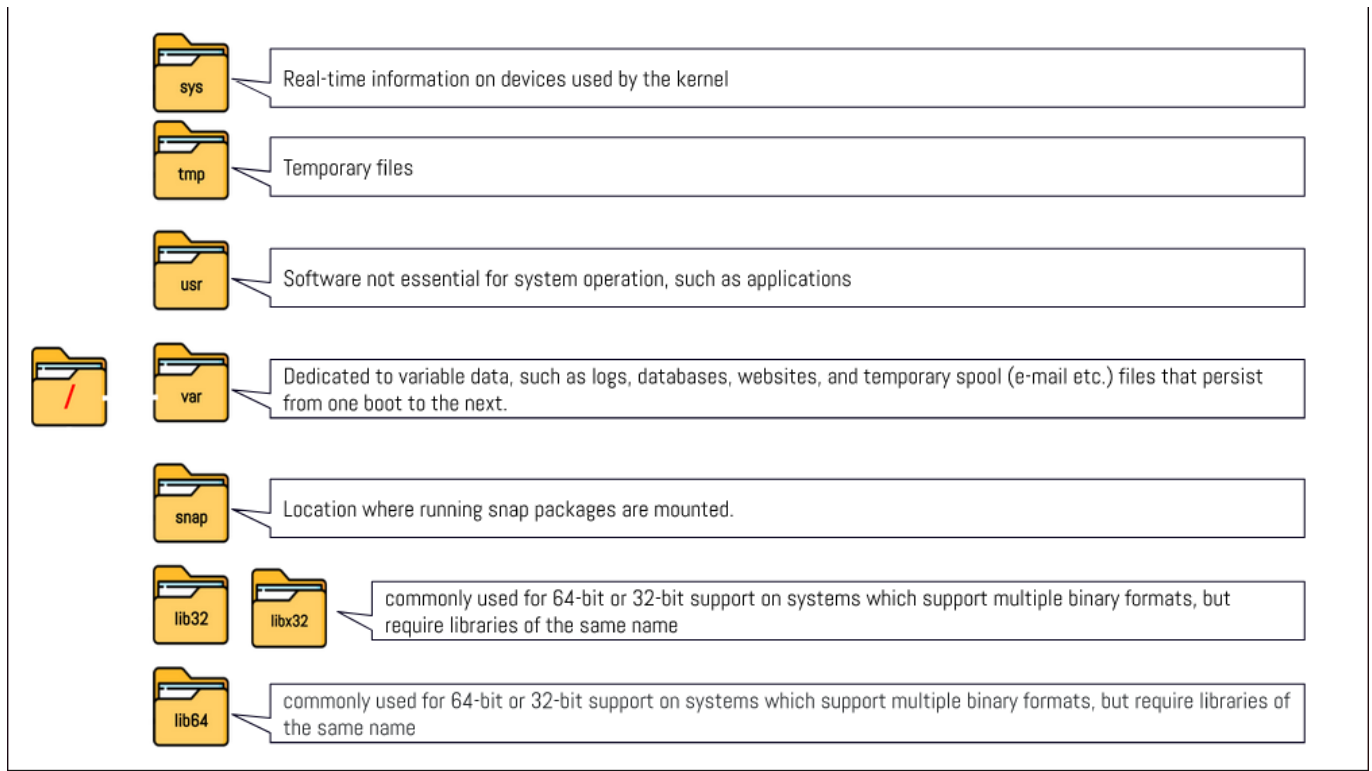
jhopkinswalker@cis106:~$ tar Jxf practicels.tar.xz
jhopkinswalker@cis106:~$ cd practicels/
jhopkinswalker@cis106:~/practicels$ ls
book.txt      history-debian.pdf  movie.mp4  song.mp3      tux-penguin.gif
countries.xml  homework.docx       people.csv  tux-nobg.png
jhopkinswalker@cis106:~/practicels$ ls -a
.               countries.xml       movie.mp4      tux-nobg.png
..              history-debian.pdf people.csv      tux-penguin.gif
book.txt        homework.docx       song.mp3
jhopkinswalker@cis106:~/practicels$ ls -l
```

Practice 3

```
jhopkinswalker@cis106: ~
jhopkinswalker@cis106:~$ pwd
/home/jhopkinswalker
jhopkinswalker@cis106:~$ cd
jhopkinswalker@cis106:~$ cd/
bash: cd/: No such file or directory
jhopkinswalker@cis106:~$ cd /
jhopkinswalker@cis106:/$ cd usr/share/themes
jhopkinswalker@cis106:/usr/share/themes$ cd ../../
jhopkinswalker@cis106:/usr$ ls -A ~
apple.txt      of
.bash_history  Pictures
.bash_logout   .pki
.bashrc        plants
.cache         'plants dr'
cis106         'plant"s EC'
.cis106.png    practicels
.config        practicels.tar.xz
Desktop        .profile
Documents      Public
Dog            snap
.dotnet        .ssh
Downloads      .sudo_as_admin_successful
dr             Templates
file1          .thunderbird
```

THE LINUX FILE SYSTEM DIRECTORIES AND THEIR PURPOSE:





ALL THE COMMANDS FOR NAVIGATING THE FILESYSTEM

Command	What it Does	Syntax	Example
<code>pwd</code>	prints current directory	<code>pwd</code>	<code>pwd</code>
<code>cd</code>	changes the directory	<code>cd</code>	<code>cd</code>
<code>ls</code>	list files in directory	<code>ls</code>	<code>ls</code>

Basic terminology

- **File system:** The way the files are stored and organized.
- **Current directory:** The directory that you are in at the moment.
- **parent directory:** The directory that contains the directory that you are working in.
- **the difference between YOUR HOME directory and THE HOME directory:** Your home directory is reached through terminal emulator for you to use and the home directory is accessible to all users.
- **pathname:** Indicates the location of the file in the filesystem.
- **relative path:** The location of a file starting from the current working directory or from a directory inside the current working directory.
- **absolute path:** The location of a file starting at the filesystem.