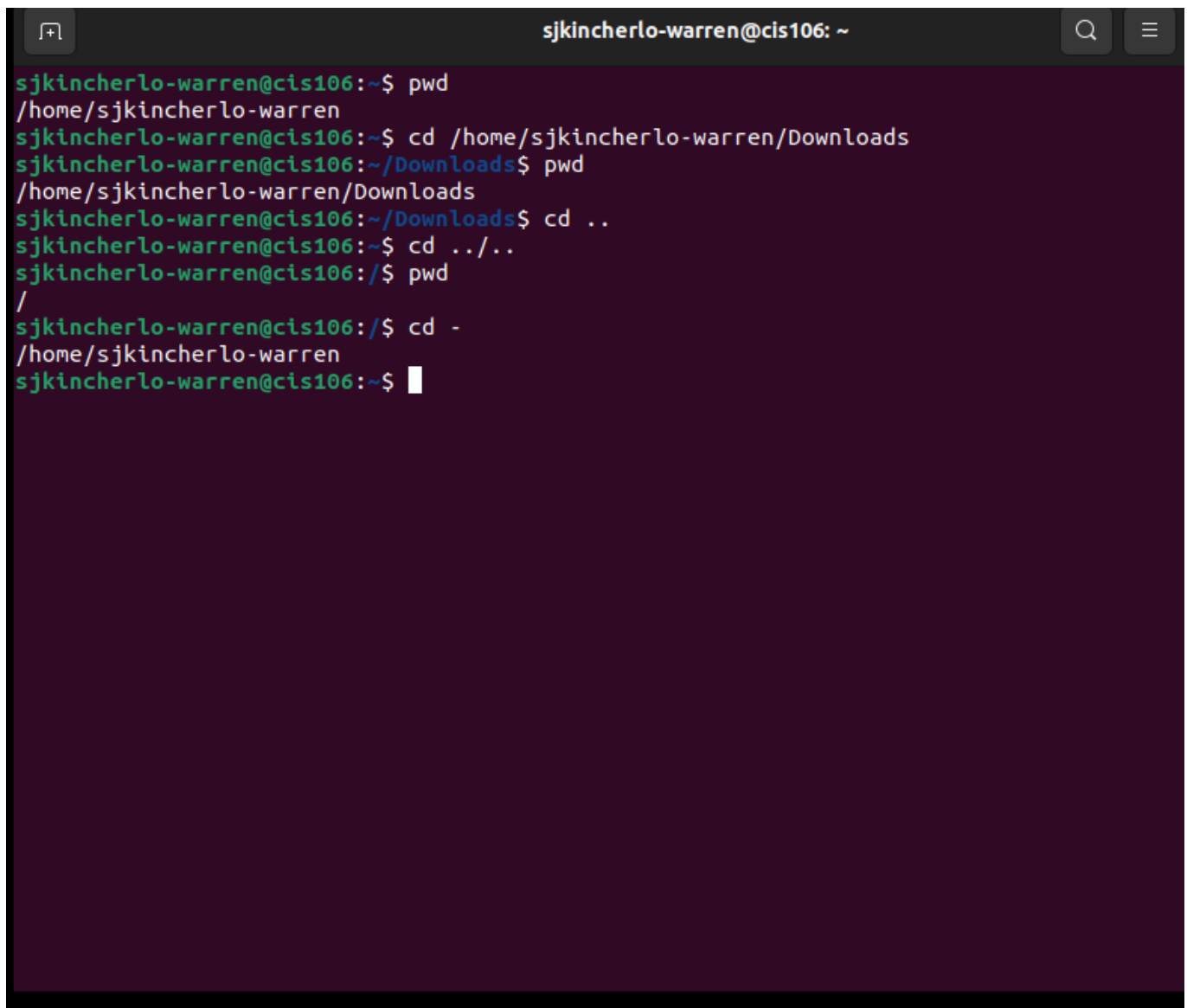


Week Report 4

Practice from the presentation The Linux File System:

Practice 1



```
sjkincherlo-warren@cis106: ~  
sjkincherlo-warren@cis106:~$ pwd  
/home/sjkincherlo-warren  
sjkincherlo-warren@cis106:~$ cd /home/sjkincherlo-warren/Downloads  
sjkincherlo-warren@cis106:~/Downloads$ pwd  
/home/sjkincherlo-warren/Downloads  
sjkincherlo-warren@cis106:~/Downloads$ cd ..  
sjkincherlo-warren@cis106:~$ cd ../../  
sjkincherlo-warren@cis106:/$ pwd  
/  
sjkincherlo-warren@cis106:/$ cd -  
/home/sjkincherlo-warren  
sjkincherlo-warren@cis106:~$
```

Practice 2

```

Applications  Places
sjkincherlo-warren@cis106: ~/Desktop/practicels

sjkincherlo-warren@cis106:~$ pwd
/home/sjkincherlo-warren
sjkincherlo-warren@cis106:~$ cd /home/sjkincherlo-warren/Downloads
sjkincherlo-warren@cis106:~/Downloads$ pwd
/home/sjkincherlo-warren/Downloads
sjkincherlo-warren@cis106:~/Downloads$ cd ..
sjkincherlo-warren@cis106:~$ cd ../../
sjkincherlo-warren@cis106:/$ pwd
/
sjkincherlo-warren@cis106:/$ cd -
/home/sjkincherlo-warren
sjkincherlo-warren@cis106:~$ cd practicels/
bash: cd: practicels/: No such file or directory
sjkincherlo-warren@cis106:~$ cd ~/practicels/
bash: cd: /home/sjkincherlo-warren/practicels/: No such file or directory
sjkincherlo-warren@cis106:~$ cd ~/practicels
bash: cd: /home/sjkincherlo-warren/practicels: No such file or directory
sjkincherlo-warren@cis106:~$ cd ~/Desktop/practicels
bash: /home/sjkincherlo-warren/Desktop/practicels: Is a directory
sjkincherlo-warren@cis106:~$ cd ~/Desktop/practicels?
bash: /home/sjkincherlo-warren/Desktop/practicels?: No such file or directory
sjkincherlo-warren@cis106:~$ cd ~/Desktop/practicels?
bash: /home/sjkincherlo-warren/Desktop/practicels?: No such file or directory
sjkincherlo-warren@cis106:~$ cd ~/Desktop/practicels/
bash: /home/sjkincherlo-warren/Desktop/practicels/: Is a directory
sjkincherlo-warren@cis106:~$ pwd
/home/sjkincherlo-warren
sjkincherlo-warren@cis106:~$ cd ~/Desktop/practicels/
sjkincherlo-warren@cis106:~/Desktop/practicels$ ls
book.txt      history-debian.pdf  movie.mp4      song.mp3      tux-penguin.gif
countries.xml  homework.docx      people.csv     tux-nobg.png
sjkincherlo-warren@cis106:~/Desktop/practicels$ ls -s
total 2932
  4 book.txt          112 homework.docx    748 song.mp3
 24 countries.xml     1536 movie.mp4        24 tux-nobg.png
160 history-debian.pdf 280 people.csv      44 tux-penguin.gif
sjkincherlo-warren@cis106:~/Desktop/practicels$ ls -a
.      book.txt      history-debian.pdf  movie.mp4      song.mp3      tux-penguin.gif
..     countries.xml homework.docx      people.csv     tux-nobg.png
sjkincherlo-warren@cis106:~/Desktop/practicels$ ls -l
total 2932
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 1043 Feb 27 2022 book.txt
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 1570024 Feb 27 2022 movie.mp4
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 44299 Jan 31 2020 tux-penguin.gif
sjkincherlo-warren@cis106:~/Desktop/practicels$ ls -lh
total 2.9M
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 44K Jan 31 2020 tux-penguin.gif
sjkincherlo-warren@cis106:~/Desktop/practicels$ ls -lht
total 2.9M
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 44K Jan 31 2020 tux-penguin.gif
sjkincherlo-warren@cis106:~/Desktop/practicels$ ls -lhG
total 2.9M
4.0K -rw-rw-r-- 1 1.1K Feb 27 2022 book.txt
24K -rw-rw-r-- 1 24K Feb 27 2022 countries.xml
160K -rw-rw-r-- 1 160K Feb 27 2022 history-debian.pdf
112K -rw-rw-r-- 1 109K Feb 22 2022 homework.docx
1.5M -rw-rw-r-- 1 1.5M Feb 27 2022 movie.mp4
280K -rw-rw-r-- 1 278K Feb 27 2022 people.csv
748K -rw-rw-r-- 1 747K Feb 27 2022 song.mp3
24K -rw-rw-r-- 1 21K Feb 27 2022 tux-nobg.png
44K -rw-rw-r-- 1 44K Jan 31 2020 tux-penguin.gif
sjkincherlo-warren@cis106:~/Desktop/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv, movie.mp4, homework.docx, history-debian.pdf
countries.xml, book.txt
sjkincherlo-warren@cis106:~/Desktop/practicels$ ls -lX
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
sjkincherlo-warren@cis106:~/Desktop/practicels$

```

Practice 3

```

sjkincherlo-warren@cis106: ~
sjkincherlo-warren@cis106:~/Desktop/practicels$ pwd
/home/sjkincherlo-warren/Desktop/practicels
sjkincherlo-warren@cis106:~/Desktop/practicels$ cd
sjkincherlo-warren@cis106:~$ cd /
sjkincherlo-warren@cis106:/$ cd usr/share/themes
sjkincherlo-warren@cis106:/usr/share/themes$ cd ../../
sjkincherlo-warren@cis106:/usr$ ls -A ~
.bash_history      .gnupg              .thunderbird
.bash_logout       lab4files            .vboxclient-clipboard-tty2-control.pid
.bashrc            .lessshst           .vboxclient-clipboard-tty2-service.pid
.cache             .local              .vboxclient-draganddrop-tty2-control.pid
cis106             .mozilla             .vboxclient-draganddrop-tty2-service.pid
cis106.png         Music                .vboxclient-hostversion-tty2-control.pid
.config            Pictures             .vboxclient-seamless-tty2-control.pid
Desktop            .pki                 .vboxclient-seamless-tty2-service.pid
Documents          .profile             .vboxclient-vmvga-session-tty2-control.pid
.dotnet            Public               .vboxclient-vmvga-session-tty2-service.pid
Downloads          snap                 Videos
.fonts             .ssh                 .vscode
gitcommands.txt    .sudo_as_admin_successful
.gitconfig         Templates
sjkincherlo-warren@cis106:/usr$ cd; ls -tX cis106/
labs WeekReports lab4.md lab4.pdf
sjkincherlo-warren@cis106:~$ ls -rR ~/cis106/
/home/sjkincherlo-warren/cis106/:
WeekReports labs lab4.pdf lab4.md

/home/sjkincherlo-warren/cis106/WeekReports:
weekReport-practice2.2.png weekReport4-practice1.png sc3.png sc1.png
weekReport4-practice2.1.png weekReport4.md sc2.png

/home/sjkincherlo-warren/cis106/labs:
'Lab 4' 'Lab 3' 'Lab 2' 'Lab 1'

'/home/sjkincherlo-warren/cis106/labs/Lab 4':
Q5.2lab4.png Q4.3lab4.png Q4.1lab4.png Q2.1lab4.png Q1.1lab4.png
Q5.1lab4.png Q4.2lab4.png Q2.2lab4.png Q1.2lab4.png

'/home/sjkincherlo-warren/cis106/labs/Lab 3':
'Wikipedia txt.pdf.odt' Q3.2.png Q2.1.png Lab3.pdf
Q3.3.png Q3.1.png Q1.1.png Lab3.md

'/home/sjkincherlo-warren/cis106/labs/Lab 2':
'Question 4.png' 'Question 2.png' 'Question 1.1.png' lab2.md
'Question 3.png' 'Question 1.2.png' lab2.pdf

'/home/sjkincherlo-warren/cis106/labs/Lab 1':
what_is_ubuntu_submission.md what-is-ubuntu.pdf resume_submission.md
what_is_ubuntu_submission.html resume_submission.pdf resume_submission.html
sjkincherlo-warren@cis106:~$ ls -lh ~
total 48K
drwxrwxr-x 5 sjkincherlo-warren sjkincherlo-warren 4.0K Oct 26 22:43 cis106
drwxr-xr-x 3 sjkincherlo-warren sjkincherlo-warren 4.0K Oct 26 23:26 Desktop
drwxr-xr-x 2 sjkincherlo-warren sjkincherlo-warren 4.0K Oct 13 01:36 Documents
drwxr-xr-x 2 sjkincherlo-warren sjkincherlo-warren 4.0K Oct 26 23:26 Downloads
-rw-rw-r-- 1 sjkincherlo-warren sjkincherlo-warren 99 Sep 28 00:41 gitcommands.txt
drwxrwxr-x 2 sjkincherlo-warren sjkincherlo-warren 4.0K Feb 22 2022 lab4files

drwxrwxr-x 2 sjkincherlo-warren sjkincherlo-warren 4.0K Feb 22 2022 lab4files
drwxr-xr-x 2 sjkincherlo-warren sjkincherlo-warren 4.0K Sep 27 23:40 Music
drwxr-xr-x 2 sjkincherlo-warren sjkincherlo-warren 4.0K Oct 12 22:38 Pictures
drwxr-xr-x 2 sjkincherlo-warren sjkincherlo-warren 4.0K Sep 27 23:40 Public
drwx----- 5 sjkincherlo-warren sjkincherlo-warren 4.0K Sep 28 00:02 snap
drwxr-xr-x 2 sjkincherlo-warren sjkincherlo-warren 4.0K Sep 27 23:40 Templates
drwxr-xr-x 2 sjkincherlo-warren sjkincherlo-warren 4.0K Sep 27 23:40 Videos
sjkincherlo-warren@cis106:~$ ls -lgG -full-time ~
ls: invalid option -- '-'
Try 'ls --help' for more information.
sjkincherlo-warren@cis106:~$ ls -lgG -full-time ~
ls: invalid option -- '-'
Try 'ls --help' for more information.
sjkincherlo-warren@cis106:~$ ls -lgG -full-time~
ls: invalid option -- '-'
Try 'ls --help' for more information.
sjkincherlo-warren@cis106:~$ ls -lgG full-time ~
ls: cannot access 'full-time': No such file or directory
/home/sjkincherlo-warren:
total 48
drwxrwxr-x 5 4096 Oct 26 22:43 cis106
drwxr-xr-x 3 4096 Oct 26 23:26 Desktop
drwxr-xr-x 2 4096 Oct 13 01:36 Documents

```

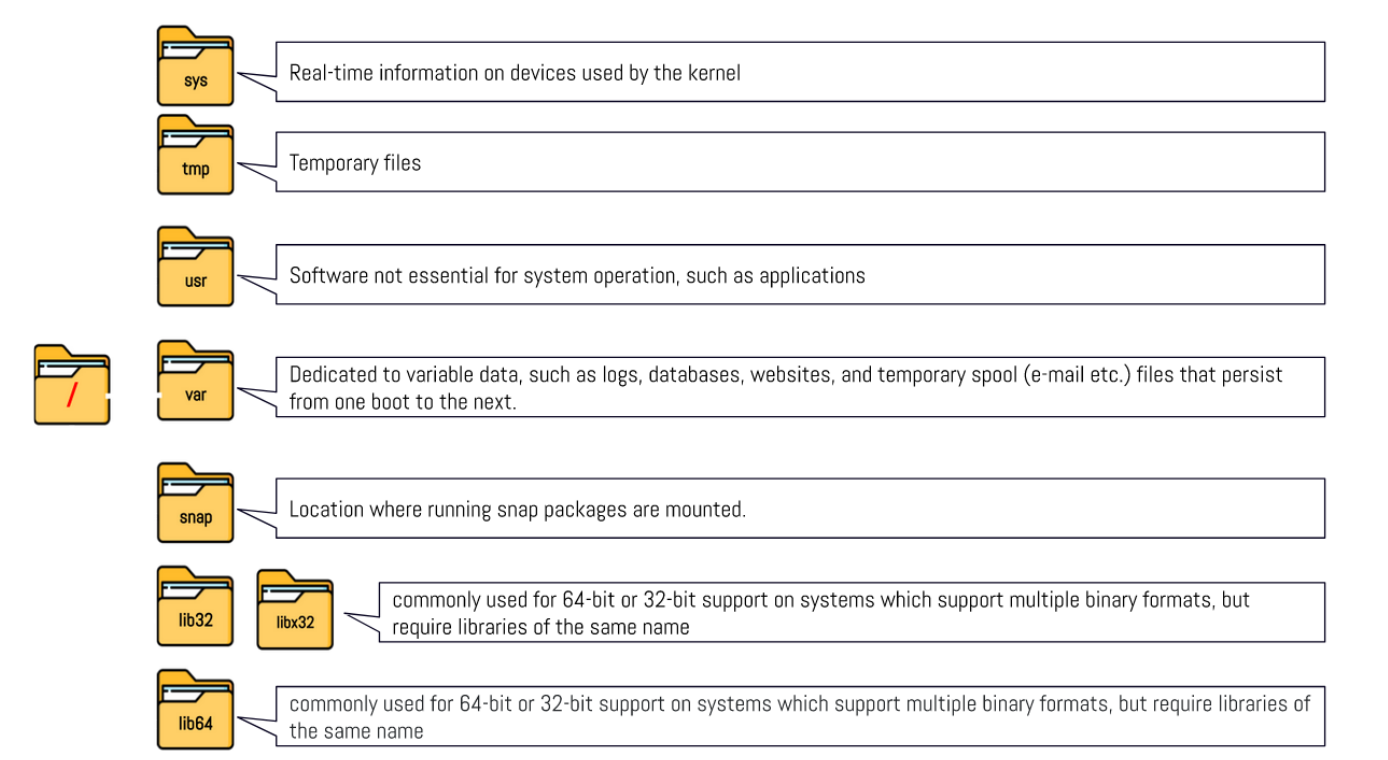
```

drwxr-xr-x 2 4096 Oct 13 01:30 Documents
drwxr-xr-x 2 4096 Oct 26 23:26 Downloads
-rw-rw-r-- 1 99 Sep 28 00:41 gitcommands.txt
drwxrwxr-x 2 4096 Feb 22 2022 lab4files
drwxr-xr-x 2 4096 Sep 27 23:40 Music
drwxr-xr-x 2 4096 Oct 12 22:38 Pictures
drwxr-xr-x 2 4096 Sep 27 23:40 Public
drwx----- 5 4096 Sep 28 00:02 snap
drwxr-xr-x 2 4096 Sep 27 23:40 Templates
drwxr-xr-x 2 4096 Sep 27 23:40 Videos
sjkincherlo-warren@cis106:~$

```

The Linux File system directories and their purpose:





All the commands for navigating the filesystem

Command	What it does	Syntax	Example
pwd	prints current directory	pwd	'pwd'
cd	description here	syntax here	'example here'
ls	description here	syntax here	'example here'

Basic terminology

- **File system** type definition here
- **Current directory:** type definition here
- **parent directory:** type definition here
- **the difference between your home directory and the home directory:** type definition here
- **pathname:** type definition here
- **relative path:** type definition here
- **absolute path:** type definition here