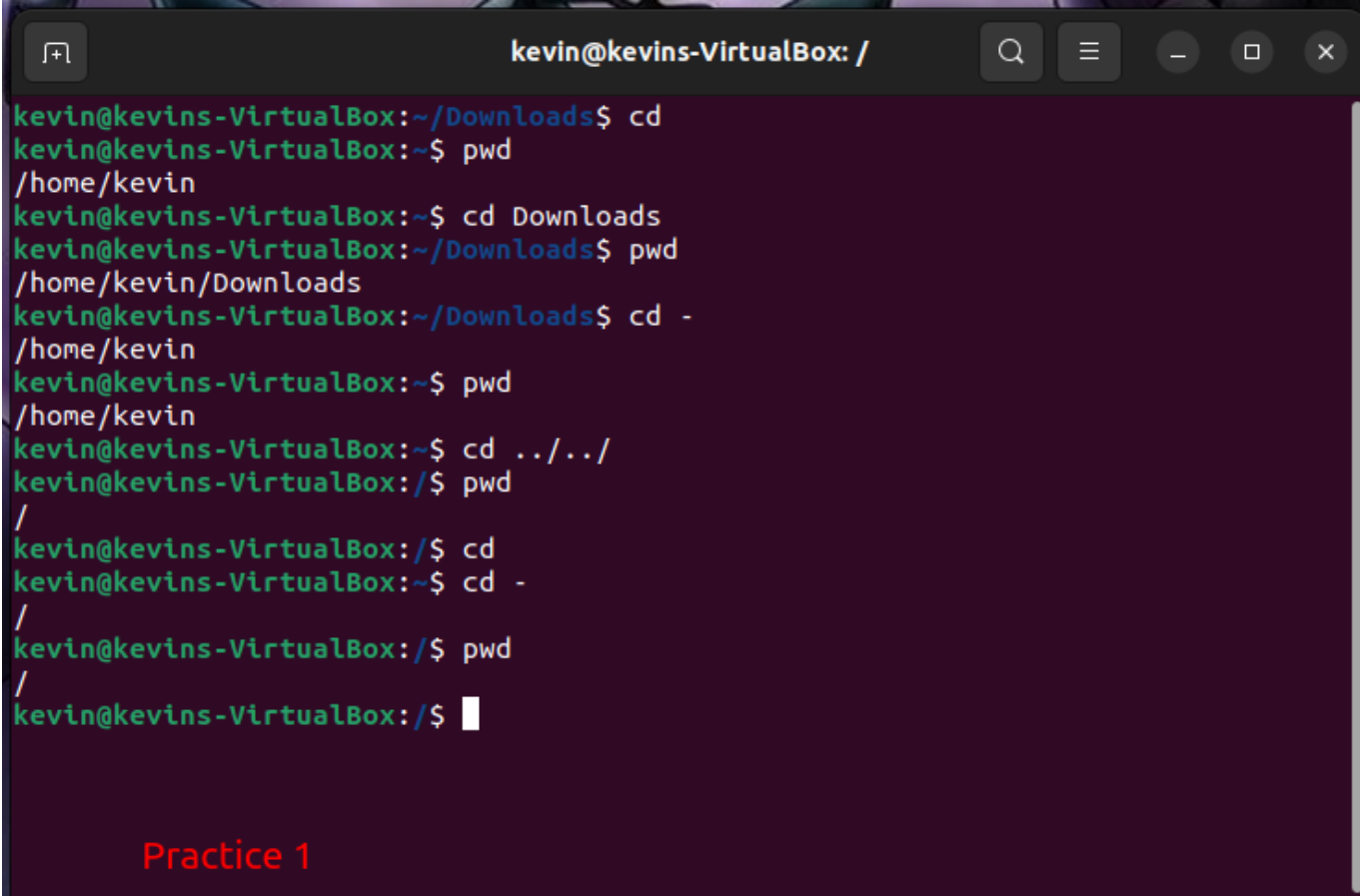


Week Report 4

Practice Questions

Practice 1



```
kevin@kevins-VirtualBox: /
kevin@kevins-VirtualBox:~/Downloads$ cd
kevin@kevins-VirtualBox:~$ pwd
/home/kevin
kevin@kevins-VirtualBox:~$ cd Downloads
kevin@kevins-VirtualBox:~/Downloads$ pwd
/home/kevin/Downloads
kevin@kevins-VirtualBox:~/Downloads$ cd -
/home/kevin
kevin@kevins-VirtualBox:~$ pwd
/home/kevin
kevin@kevins-VirtualBox:~$ cd ../../
kevin@kevins-VirtualBox:/$ pwd
/
kevin@kevins-VirtualBox:/$ cd
kevin@kevins-VirtualBox:~$ cd -
/
kevin@kevins-VirtualBox:/$ pwd
/
kevin@kevins-VirtualBox:/$
```

Practice 1

Practice 2

```
kevin@kevins-VirtualBox: ~/Downloads/practicels
kevin@kevins-VirtualBox:~/Downloads/practicels$ cd
kevin@kevins-VirtualBox:~/Downloads/practicels$ ls
book.txt      history-debian.pdf  movie.mp4      song.mp3      tux-penguin.gif
countries.xml  homework.docx      people.csv     tux-nobg.png
kevin@kevins-VirtualBox:~/Downloads/practicels$ ls -la
total 2932
-rw-rw-r-- 1 kevin kevin 1043 Feb 27 2022 book.txt
-rw-rw-r-- 1 kevin kevin 23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 kevin kevin 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 kevin kevin 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 kevin kevin 1570024 Feb 27 2022 movie.mp4
-rw-rw-r-- 1 kevin kevin 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 kevin kevin 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 kevin kevin 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 kevin kevin 44299 Jan 31 2020 tux-penguin.gif
kevin@kevins-VirtualBox:~/Downloads/practicels$ ls -lh
total 2.9M
-rw-rw-r-- 1 kevin kevin 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 kevin kevin 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 kevin kevin 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 kevin kevin 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 kevin kevin 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 kevin kevin 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 kevin kevin 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 kevin kevin 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 kevin kevin 44K Jan 31 2020 tux-penguin.gif
kevin@kevins-VirtualBox:~/Downloads/practicels$ ls -lht
total 2.9M
-rw-rw-r-- 1 kevin kevin 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 kevin kevin 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 kevin kevin 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 kevin kevin 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 kevin kevin 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 kevin kevin 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 kevin kevin 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 kevin kevin 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 kevin kevin 44K Jan 31 2020 tux-penguin.gif
kevin@kevins-VirtualBox:~/Downloads/practicels$ ls -lhGS
total 2.9M
-rw-rw-r-- 1 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 44K Jan 31 2020 tux-penguin.gif
-rw-rw-r-- 1 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 1.1K Feb 27 2022 book.txt
kevin@kevins-VirtualBox:~/Downloads/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv, movie.mp4, homework.docx,
history-debian.pdf, countries.xml, book.txt
kevin@kevins-VirtualBox:~/Downloads/practicels$ ls -lX
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
kevin@kevins-VirtualBox:~/Downloads/practicels$
```

Challenge Practice

```
kevin@kevins-VirtualBox:~$ pwd
/home/kevin
kevin@kevins-VirtualBox:~$ cd /
kevin@kevins-VirtualBox:~$ cd usr/share/themes
kevin@kevins-VirtualBox:~/usr/share/themes$ cd ../..
kevin@kevins-VirtualBox:~$ ls -la
total 60K
drwxr-xr-x 7 kevin kevin 4.0K Oct 12 20:43 c1s106
drwxr-xr-x 3 kevin kevin 4.0K Oct 25 17:22 Desktop
drwxr-xr-x 2 kevin kevin 4.0K Oct 11 16:19 Documents
drwxr-xr-x 3 kevin kevin 4.0K Oct 25 17:23 Downloads
drwxr-xr-x 7 kevin kevin 4.0K Oct 19 18:31 joesP1zza
drwxr-xr-x 2 kevin kevin 4.0K Oct 19 18:50 Music
drwxr-xr-x 2 kevin kevin 4.0K Oct 19 18:50 myproject
kevin@kevins-VirtualBox:~$ ./us -l -h
total 64K
drwxrwxr-x 7 kevin kevin 4.0K Oct 12 20:43 c1s106
drwxr-xr-x 3 kevin kevin 4.0K Oct 25 17:22 Desktop
drwxr-xr-x 2 kevin kevin 4.0K Oct 11 16:19 Documents
drwxr-xr-x 3 kevin kevin 4.0K Oct 25 17:23 Downloads
drwxr-xr-x 7 kevin kevin 4.0K Oct 19 18:31 joesP1zza
drwxr-xr-x 2 kevin kevin 4.0K Oct 19 18:50 Music
drwxr-xr-x 2 kevin kevin 4.0K Oct 19 18:50 myproject
drwxr-xr-x 2 kevin kevin 4.0K Oct 19 18:50 pictures
drwxr-xr-x 3 kevin kevin 4.0K Oct 19 18:45 'photos dr'
drwxr-xr-x 2 kevin kevin 4.0K Sep 26 21:02 snap
drwxr----- 6 kevin kevin 4.0K Sep 27 19:08 Public
drwxr-xr-x 2 kevin kevin 4.0K Sep 26 21:02 Templates
drwxr-xr-x 2 kevin kevin 4.0K Oct 19 18:45 website
```

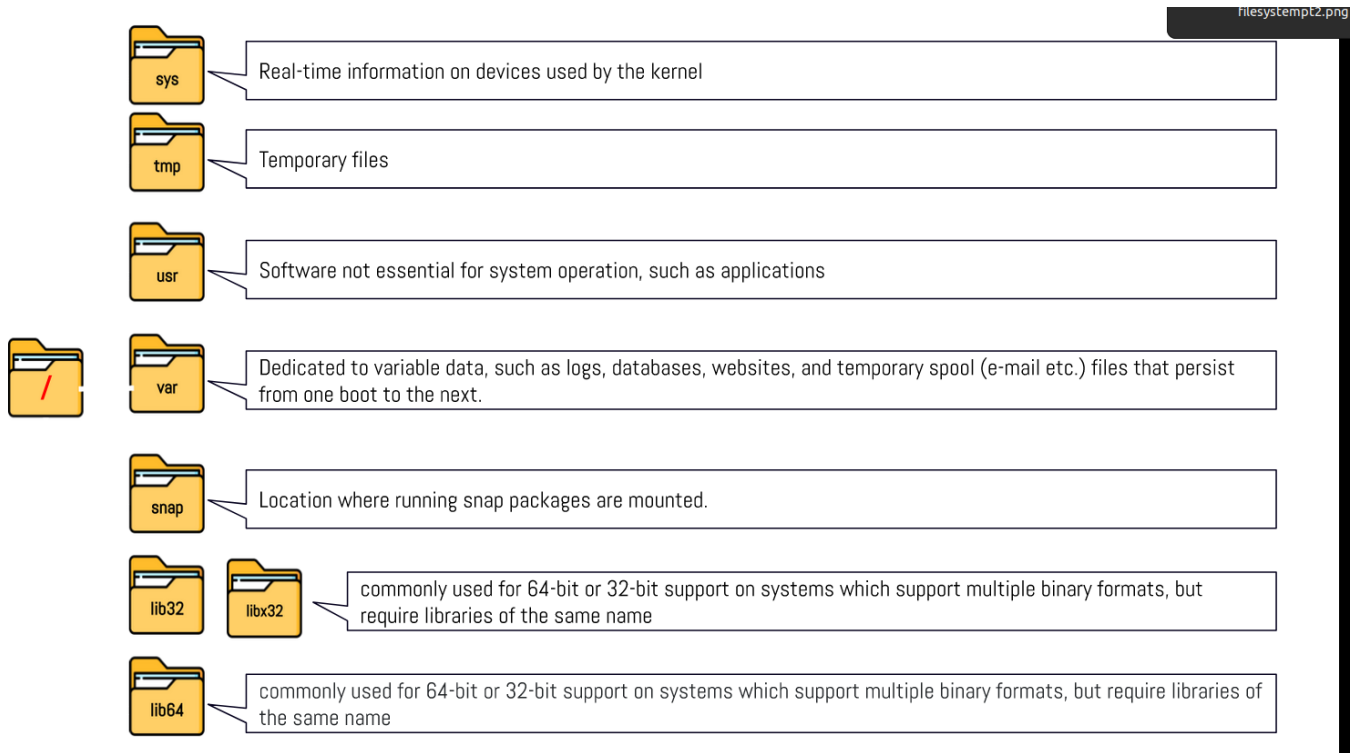
```

kevin@kevins-VirtualBox:/usr$ ls -lgG --full-time ~
total 64
drwxrwxr-x 7 4096 2023-10-12 20:43:35.706199594 -0400 cis106
drwxr-xr-x 3 4096 2023-10-25 17:22:54.060486403 -0400 Desktop
drwxr-xr-x 2 4096 2023-10-11 16:19:23.195370654 -0400 Documents
drwxr-xr-x 6 4096 2023-10-25 17:23:22.899996322 -0400 Downloads
drwxrwxr-x 3 4096 2023-10-19 18:23:17.316108938 -0400 Games
drwxrwxr-x 7 4096 2023-10-19 18:31:50.198390522 -0400 joesPizza
drwxr-xr-x 2 4096 2023-10-19 18:50:30.044900169 -0400 Music
drwxrwxr-x 2 4096 2023-10-19 18:50:30.044900169 -0400 myproject
drwxrwxr-x 2 4096 2023-10-19 18:09:32.563067819 -0400 'Photos of my dog'
drwxr-xr-x 3 4096 2023-10-19 18:45:42.016378067 -0400 Pictures
drwxrwxr-x 2 4096 2023-10-19 17:59:15.242633784 -0400 'plants dr'
drwxr-xr-x 2 4096 2023-09-26 21:02:17.950648969 -0400 Public
drwx----- 6 4096 2023-09-27 19:08:55.652811695 -0400 snap
drwxr-xr-x 2 4096 2023-09-26 21:02:17.950648969 -0400 Templates
drwxr-xr-x 2 4096 2023-10-19 18:45:42.016378067 -0400 Videos
drwxrwxr-x 4 4096 2023-10-19 18:27:29.393412656 -0400 website
kevin@kevins-VirtualBox:/usr$

```

Linux File Directories and Their Purpose





All the Commands For Navigating the Filesystem

command	what it does	syntax	example
pwd	Displays the current working directory	pwd	pwd
cd	Changes the current working directory. The home directory is chosen if there is no directory given	cd + directory	cd Downloads/
ls	Displays all files in a chosen directory. The current directory is chosen if there is no directory given	ls + option + directory to list	ls -a Downloads/

Basic Terminology

- **filesystem-** The way files are created and organized
- **current directory-** The directory you are at in the moment
- **parent directory-** A particular directory in which you can move forward to a subdirectory or backwards to a previous directory
- **the difference between *your* home directory and *the* home directory-** *Your* home directory refers to your user's home directory while *the* home directory refers to the home directory located in the root.
- **pathname-** The indication of the location of a file in the filesystem
- **relative path-** The location of a file starting from the current directory or a directory that is located inside the current directory
- **absolute path-** The location of a file starting at the root of the file system

