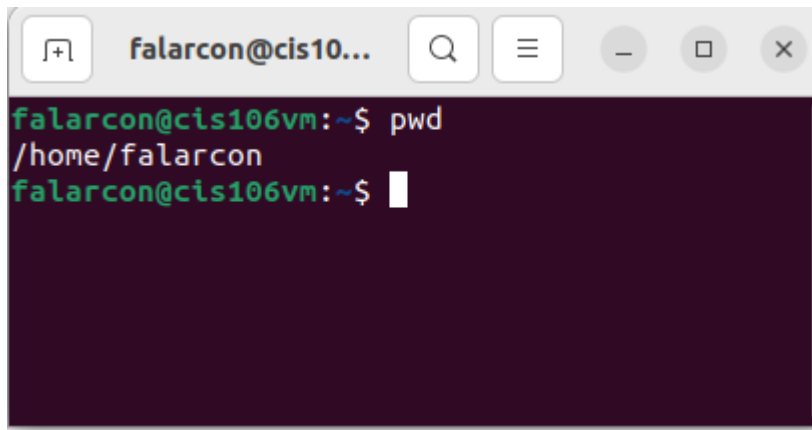


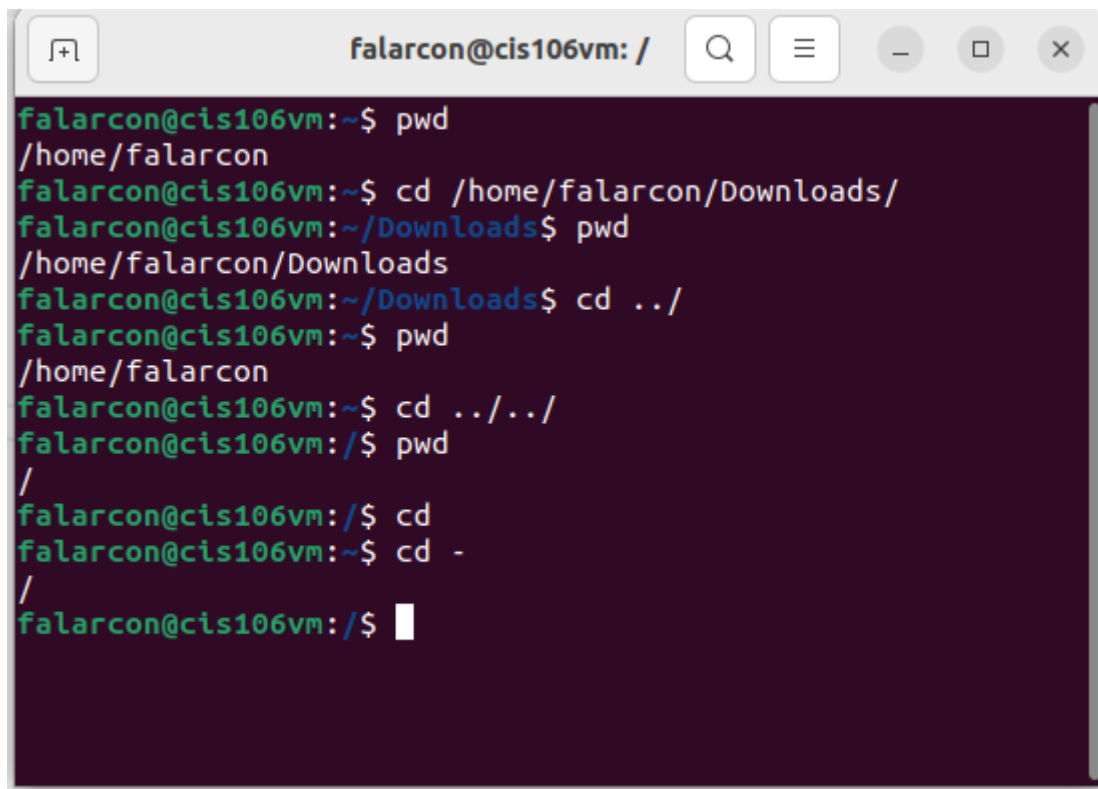
Name: Fiorella Alarcon
Semester: Fall 22
Course: cis106

Week Report 4

Practice



```
falarcon@cis106vm:~$ pwd
/home/falarcon
falarcon@cis106vm:~$
```



```
falarcon@cis106vm: / $ pwd
/home/falarcon
falarcon@cis106vm:~$ cd /home/falarcon/Downloads/
falarcon@cis106vm:~/Downloads$ pwd
/home/falarcon/Downloads
falarcon@cis106vm:~/Downloads$ cd ../
falarcon@cis106vm:~$ pwd
/home/falarcon
falarcon@cis106vm:~$ cd ../../
falarcon@cis106vm:/$ pwd
/
falarcon@cis106vm:/$ cd
falarcon@cis106vm:~$ cd -
/
falarcon@cis106vm:/$
```

```

falarcon@cis106vm: ~/Documents/practicels

falarcon@cis106vm:~$ cd Documents/practicels/
falarcon@cis106vm:~/Documents/practicels$ ls
book.txt          homework.docx    song.mp3
countries.xml     movie.mp4        tux-nobg.png
history-debian.pdf people.csv       tux-penguin.gif
falarcon@cis106vm:~/Documents/practicels$ ls -a
.                  countries.xml    movie.mp4      tux-nobg.png
..                 history-debian.pdf people.csv     tux-penguin.gif
book.txt          homework.docx    song.mp3
falarcon@cis106vm:~/Documents/practicels$ ls -l
total 2932
-rw-rw-r-- 1 falarcon falarcon 1043 Feb 27 2022 book.txt
-rw-rw-r-- 1 falarcon falarcon 23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 falarcon falarcon 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 falarcon falarcon 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 falarcon falarcon 1570024 Feb 27 2022 movie.mp4
-rw-rw-r-- 1 falarcon falarcon 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 falarcon falarcon 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 falarcon falarcon 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 falarcon falarcon 44299 Jan 31 2020 tux-penguin.gif
falarcon@cis106vm:~/Documents/practicels$ ls -lh
total 2.9M
-rw-rw-r-- 1 falarcon falarcon 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 falarcon falarcon 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 falarcon falarcon 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 falarcon falarcon 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 falarcon falarcon 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 falarcon falarcon 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 falarcon falarcon 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 falarcon falarcon 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 falarcon falarcon 44K Jan 31 2020 tux-penguin.gif
falarcon@cis106vm:~/Documents/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv,
movie.mp4, homework.docx, history-debian.pdf,
countries.xml, book.txt
falarcon@cis106vm:~/Documents/practicels$
falarcon@cis106vm:~/Documents/practicels$ ls -1x
book.txt          countries.xml    history-debian.pdf
homework.docx     movie.mp4       people.csv
song.mp3          tux-nobg.png    tux-penguin.gif
falarcon@cis106vm:~/Documents/practicels$ ls -1X
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
falarcon@cis106vm:~/Documents/practicels$

```

The Filesystem (Some Important Directories)

Directory	Data Stored in Directory
bin	essential commands
dev	device files
etc	system configuration files
home	user home directories
media	mount point for removable media, sch as DVDs and floppy disks
opt	add-on software packages
proc	kernel information, process control, system hardware information
srv	information relating to services that run on the system
usr	software not essential for system operation, such as applications
var	dedicated to variable data, such as logs, databases, websites, and temporary spool files that persist from one boot to the next

Commands to navigate the filesystem

command	What it does	Syntax	Example
pwd	prints current working directory	<code>pwd</code>	<code>pwd</code>
cd	changes the current working directory	<code>cd + destination</code>	<code>cd Downloads</code>
ls	lists the content of a given directory or the file/directory itself	<code>ls + option + directory to list</code>	<code>ls -a ~/Pictures</code>

Key Terms

Definitions of the following terms

- **File system:** the way the files are stored and organized to simplify access to data.
- **Current directory:** the directory you are at the moment
- **parent directory:** backwards to the previous directory
- **the difference between your home directory and the home directory**
 - your home directory is your current working directory when you open a terminal emulator. Every user in system has a home directory and full permissions of their own. The home directory is accessed through root user only.
- **pathname:** indicates the location of the file in the filesystem (like an address)
- **relative path:** the location of a file stating from the current working directory or a directory that is located inside the current working directory
- **absolute path:** the location of a file starting at the root of the file system
- **The commands are used for navigating the filesystem**
 - `pwd`
 - `cd`

- ls