Week Report 4

Practice

```
sgilmore@cis106:~$ pwd
/home/sgilmore
sgilmore@cis106:~$ cd /home/$USER/Downloads
sgilmore@cis106:~/Downloads$ pwd
/home/sgilmore/Downloads
sgilmore@cis106:~/Downloads$ cd ../
sgilmore@cis106:~$ pwd
/home/sgilmore
sgilmore@cis106:~$ cd ../
sgilmore@cis106:/home$ pwd
/home
sgilmore@cis106:/home$ d /home/$USER/Downloads
d: command not found
sgilmore@cis106:/home$ cd /home/\$USER/Downloads/
bash: cd: /home/$USER/Downloads/: No such file or directory
sgilmore@cis106:/home$ cd /home/$USER/Downloads
sgilmore@cis106:~/Downloads$ cd ../
sgilmore@cis106:~$ pwd
/home/sgilmore
sgilmore@cis106:~$ cd ../../
sgilmore@cis106:/$ pwd
/
sgilmore@cis106:/$ cd /home
sgilmore@cis106:/home$ pwd
/home
sgilmore@cis106:/home$ cd -
/
sgilmore@cis106:/$ pwd
/
sgilmore@cis106:/$ █
```

```
sgilmore@cis106:~$ cd ~/practicels
bash: cd: /home/sgilmore/practicels: No such file or directory
sgilmore@cis106:~$ cd /practicels
bash: cd: /practicels: No such file or directory
sgilmore@cis106:~$ cd /home/$USER/Downloads/practicels/
sgilmore@cis106:~/Downloads/practicels$ pwd
/home/sgilmore/Downloads/practicels
sgilmore@cis106:~/Downloads/practicels$ ls
book.txt        history-debian.pdf  movie.mp4   song.mp3        tux-penguin.gif
countries.xml   homework.docx       people.csv  tux-nobg.png
sgilmore@cis106:~/Downloads/practicels$ ls -a
.           countries.xml        movie.mp4   tux-nobg.png
..          history-debian.pdf   people.csv  tux-penguin.gif
book.txt    homework.docx        song.mp3
sgilmore@cis106:~/Downloads/practicels$ ls -1R
.:
book.txt
countries.xml
history-debian.pdf
homework.docx
movie.mp4
people.csv
song.mp3
tux-nobg.png
tux-penguin.gif
sgilmore@cis106:~/Downloads/practicels$ ls -1
book.txt
countries.xml
history-debian.pdf
```

```
homework.docx
movie.mp4
people.csv
song.mp3
tux-nobg.png
tux-penguin.gif
sgilmore@cis106:~/Downloads/practicels$ ls man
ls: cannot access 'man': No such file or directory
sgilmore@cis106:~/Downloads/practicels$ man ls
sgilmore@cis106:~/Downloads/practicels$ pwd
/home/sgilmore/Downloads/practicels
sgilmore@cis106:~/Downloads/practicels$ ls -1h
book.txt
countries.xml
history-debian.pdf
homework.docx
movie.mp4
people.csv
song.mp3
tux-nobg.png
tux-penguin.gif
sgilmore@cis106:~/Downloads/practicels$ man ls
sgilmore@cis106:~/Downloads/practicels$ ls -1ht
countries.xml
people.csv
```

A Table of directories

Directory	Data Store in Directory
bin	Essential commands
dev	Device files
etc	System configuration files
home	User home directories
media	mount point for removable media (e.g., DVDs, floppy disks, etc.)
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 (e.g., applications)
var	Dedicated to variable data (e.g., logs, databases, websites, and temporary spool (email) files that persist from one boot to the next

Commands Used for Navigating the File System

Command	What is does	Syntax	Example
pwd	displays the current working directory	pwd	pwd
cd	changes the current working directory	cd + destination	cd /home/$USER/Documents

Command	What is does	Syntax	Example
ls	lists the content of a given directory or the file/directory itself	`ls`	`ls -a`

Definitions of the following terms

File system - they way files are stored and organized to simplify access to data **Current directory** - the directory where you are at the moment **Parent directory** - the previous directory *Your* **home directory** - your current working directory in your terminal emulator or the file manager *The* **home directory** - any other user's current working directory **Pathname** - indicates the location of the file in the filesystem **Relative path** - the location of a file starting from the current working directory or a directory that is located inside the current working directory **Absolute path** - the location of a file starting a the root of the file system

A list of all the commands used for navigating the file system

- pwd
- cd
- ls