Week Report 4

Practice

```
mrgutierrez@cis106vm:~$ cd practicels/
mrgutierrez@cis106vm:~/practicels$ ls
cis106.desktop   practicels.tar
mrgutierrez@cis106vm:~/practicels$ ls -a
.  ..  cis106.desktop   practicels.tar
mrgutierrez@cis106vm:~/practicels$ ls -l
total 2936
-rwxrwxr-x 1 mrgutierrez mrgutierrez    161 Sep 21 20:47 cis106.desktop
-rw-rw-r-- 1 mrgutierrez mrgutierrez 3000320 Oct  7 00:13 practicels.tar
mrgutierrez@cis106vm:~/practicels$ ls -l -h
total 2.9M
-rwxrwxr-x 1 mrgutierrez mrgutierrez  161 Sep 21 20:47 cis106.desktop
-rw-rw-r-- 1 mrgutierrez mrgutierrez 2.9M Oct  7 00:13 practicels.tar
mrgutierrez@cis106vm:~/practicels$ ls -l -h -t
total 2.9M
-rw-rw-r-- 1 mrgutierrez mrgutierrez 2.9M Oct  7 00:13 practicels.tar
-rwxrwxr-x 1 mrgutierrez mrgutierrez  161 Sep 21 20:47 cis106.desktop
mrgutierrez@cis106vm:~/practicels$ ls -l -h -o -g -S
total 2.9M
-rw-rw-r-- 1 2.9M Oct  7 00:13 practicels.tar
-rwxrwxr-x 1  161 Sep 21 20:47 cis106.desktop
mrgutierrez@cis106vm:~/practicels$ ls -r -m
practicels.tar, cis106.desktop
mrgutierrez@cis106vm:~/practicels$ ls -x -1
cis106.desktop
practicels.tar
mrgutierrez@cis106vm:~/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, such 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 viriable data such as logs, databases, websites, and temporary spool (e-mail etc) files that persist from one boot to the next

Commands to navigate the filesystem

Command	What it does	Syntax	Example

Command	What it does	Syntax	Example
Pwd	Prints current working directory	pwd	pwd
Cd	Prints changing the current working directory	cd	cd
Ls	Prints all the files inside a given directory	ls	ls

Key Terms

Definitions of the following terms

- File system: The way files are stored and organized to simplify access to data.

- Current directory: The directory where you are at the moment.

- Parent directory: You are always working inside a particular directory and you can move forward a subdirectory or backwards to the previous directory.

- The difference between your home directory and the home directory: your Home directory is a user of the system and consists of individual files. The home directory is the one that the system has created.

- Pathname: Indicates the location of the file in the filesystem (like an address).

- 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

- The commands are used for navigating the filesystem.

- pwd

- cd

- ls

pwd   pwd

cd   cd