

Week Report 4

Practice

Practice 1

```
maperez14692@CIS106VM: ~  
maperez14692@CIS106VM:~$ pwd  
/home/maperez14692  
maperez14692@CIS106VM:~$ cd /home/maperez14692/Downloads/  
maperez14692@CIS106VM:~/Downloads$ pwd  
/home/maperez14692/Downloads  
maperez14692@CIS106VM:~/Downloads$ Absolute Path was used  
Absolute: command not found  
maperez14692@CIS106VM:~/Downloads$ cd ../  
maperez14692@CIS106VM:~$ pwd  
/home/maperez14692  
maperez14692@CIS106VM:~$ cd ../  
maperez14692@CIS106VM:/home$ pwd  
/home  
maperez14692@CIS106VM:/home$ cd -  
/home/maperez14692  
maperez14692@CIS106VM:~$ pwd  
/home/maperez14692  
maperez14692@CIS106VM:~$
```

Practice 2

```
maperez14692@CIS106VM: ~/Desktop/practicels  
maperez14692@CIS106VM:~/Desktop/practicels$ ls  
book.txt      history-debian.pdf  movie.mp4      song.mp3      tux-penguin.gif  
countries.xml  homework.docx       people.csv     tux-nobg.png  
maperez14692@CIS106VM:~/Desktop/practicels$ ls -la  
total 2932  
-rw-rw-r-- 1 maperez14692 maperez14692 1043 Feb 27 2022 book.txt  
-rw-rw-r-- 1 maperez14692 maperez14692 23972 Feb 27 2022 countries.xml  
-rw-rw-r-- 1 maperez14692 maperez14692 163057 Feb 27 2022 history-debian.pdf  
-rw-rw-r-- 1 maperez14692 maperez14692 111303 Feb 22 2022 homework.docx  
-rw-rw-r-- 1 maperez14692 maperez14692 1570024 Feb 27 2022 movie.mp4  
-rw-rw-r-- 1 maperez14692 maperez14692 284042 Feb 27 2022 people.csv  
-rw-rw-r-- 1 maperez14692 maperez14692 764176 Feb 27 2022 song.mp3  
-rw-rw-r-- 1 maperez14692 maperez14692 21314 Feb 27 2022 tux-nobg.png  
-rw-rw-r-- 1 maperez14692 maperez14692 44299 Jan 31 2020 tux-penguin.gif  
maperez14692@CIS106VM:~/Desktop/practicels$ ls -lh  
total 2.9K  
-rw-rw-r-- 1 maperez14692 maperez14692 1.1K Feb 27 2022 book.txt  
-rw-rw-r-- 1 maperez14692 maperez14692 24K Feb 27 2022 countries.xml  
-rw-rw-r-- 1 maperez14692 maperez14692 160K Feb 27 2022 history-debian.pdf  
-rw-rw-r-- 1 maperez14692 maperez14692 109K Feb 22 2022 homework.docx  
-rw-rw-r-- 1 maperez14692 maperez14692 1.5M Feb 27 2022 movie.mp4  
-rw-rw-r-- 1 maperez14692 maperez14692 278K Feb 27 2022 people.csv  
-rw-rw-r-- 1 maperez14692 maperez14692 747K Feb 27 2022 song.mp3  
-rw-rw-r-- 1 maperez14692 maperez14692 21K Feb 27 2022 tux-nobg.png  
-rw-rw-r-- 1 maperez14692 maperez14692 44K Jan 31 2020 tux-penguin.gif  
maperez14692@CIS106VM:~/Desktop/practicels$ ls -lht  
total 2.9K  
-rw-rw-r-- 1 maperez14692 maperez14692 24K Feb 27 2022 countries.xml  
-rw-rw-r-- 1 maperez14692 maperez14692 278K Feb 27 2022 people.csv  
-rw-rw-r-- 1 maperez14692 maperez14692 747K Feb 27 2022 song.mp3  
-rw-rw-r-- 1 maperez14692 maperez14692 1.5M Feb 27 2022 movie.mp4  
-rw-rw-r-- 1 maperez14692 maperez14692 160K Feb 27 2022 history-debian.pdf  
-rw-rw-r-- 1 maperez14692 maperez14692 21K Feb 27 2022 tux-nobg.png  
-rw-rw-r-- 1 maperez14692 maperez14692 1.1K Feb 27 2022 book.txt  
-rw-rw-r-- 1 maperez14692 maperez14692 109K Feb 22 2022 homework.docx  
-rw-rw-r-- 1 maperez14692 maperez14692 44K Jan 31 2020 tux-penguin.gif  
maperez14692@CIS106VM:~/Desktop/practicels$ ls -lhG  
total 2.9K  
-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
```

Practice 3

```

maperez14692@CIS106VM: /usr
maperez14692@CIS106VM:~$ pwd
/home/maperez14692
maperez14692@CIS106VM:~$ cd
maperez14692@CIS106VM:~$ cd /
maperez14692@CIS106VM:/usr$ cd usr/share/themes/
maperez14692@CIS106VM:/usr/share/themes$ cd ../../
maperez14692@CIS106VM:/usr$ ls ~
CIS-106-Fall-22  Documents  lab4files  Pictures  snap      Videos
Desktop          Downloads  Music      Public    Templates
maperez14692@CIS106VM:/usr$ ls -tX ~/Documents/CIS-106-Fall-22/
CheatSheet 'Final Project' Homework Labs Surveys 'Weekly Reports'
maperez14692@CIS106VM:/usr$ ls -rR ~/Documents/CIS-106-Fall-22/
/home/maperez14692/Documents/CIS-106-Fall-22/:
'Weekly Reports' Surveys Labs Homework 'Final Project' CheatSheet

'/home/maperez14692/Documents/CIS-106-Fall-22/Weekly Reports':
Week4 Week3 Week2

'/home/maperez14692/Documents/CIS-106-Fall-22/Weekly Reports/Week4':
wr4.md practice2.png practice1.png

'/home/maperez14692/Documents/CIS-106-Fall-22/Weekly Reports/Week3':
wr3.pdf wr3.md ubuntu-update.png

'/home/maperez14692/Documents/CIS-106-Fall-22/Weekly Reports/Week2':
wr2.pdf ubuntu-5.png ubuntu-3.png ubuntu-1.png bashshellshortcuts.png
wr2.md ubuntu-4.png ubuntu-2.png Screenshots

'/home/maperez14692/Documents/CIS-106-Fall-22/Weekly Reports/Week2/Screenshots':

/home/maperez14692/Documents/CIS-106-Fall-22/Surveys:
survey3.png

/home/maperez14692/Documents/CIS-106-Fall-22/Labs:
Lab4 Lab3 Lab2 Lab1

/home/maperez14692/Documents/CIS-106-Fall-22/Labs/Lab4:
q4.1.png q3.1.png q1.2.png lab4.pdf 4.5.png 4.3.png 3.2.png
q3.3.png q2.png q1.1.png lab4.md 4.4.png 4.2.png

/home/maperez14692/Documents/CIS-106-Fall-22/Labs/Lab3:
wallhaven-y86g17.jpg ubuntu.png Linux.pdf lab3.pdf date-command.png
ubuntu-presentation.odp question2.png Linux.odt lab3.md

/home/maperez14692/Documents/CIS-106-Fall-22/Labs/Lab2:
'Question 4.png' 'Question 3.jpg' 'Question 2.png' lab2.pdf lab2.md

/home/maperez14692/Documents/CIS-106-Fall-22/Labs/Lab1:
'what is ubuntu submission.pdf' 'what is ubuntu submission.html' ubuntu-logo.png
'what is ubuntu submission.md' what-is-ubuntu.pdf ubuntu-desktop.png

```

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

Directory	Data Stored in Directory
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 (emails etc.) files that persist from one boot to the next

Commands to navigate the file system

Command	What it does	Syntax	Example
pwd	prints current working directory	"pwd"	pwd
cd	used for changing current working directory	"cd"	cd ~/
ls	used for displaying all the files in the current directory	"ls"	ls ~/Downloads

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* a directory containing the current directory *Subdirectory* a directory under the parent directory *Home Directory* the directory where all the users are listed *Your Home Directory* the directory that is in your user profile under THE home directory *Pathname* the location of the file in the filesystem (like an address) *Absolute Path* the location of a file starting at the root of the file system *Relative Path* the location of a file starting from the current working directory or a directory tht is located inside the current working directory.

Commands for navigating the file system

- pwd
- cd
- ls