

Week Report 4

Practice

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djnunez43983@CIS106VM:~$ pwd
/home/djnunez43983
djnunez43983@CIS106VM:~$ cd Downloads/
djnunez43983@CIS106VM:~/Downloads$ pwd
/home/djnunez43983/Downloads
djnunez43983@CIS106VM:~/Downloads$ cd ..
djnunez43983@CIS106VM:~$ pwd
/home/djnunez43983
djnunez43983@CIS106VM:~$ cd ../../
djnunez43983@CIS106VM:/$ pwd
/
djnunez43983@CIS106VM:/$ cd
djnunez43983@CIS106VM:~$ cd -
/

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djnunez43983@CIS106VM:~$ cd ~/cis106/weekreports/week4/practicels/
djnunez43983@CIS106VM:~/cis106/weekreports/week4/practicels$ ls
book.txt          history-debian.pdf  movie.mp4          song.mp3           tux-penguin.gif
countries.xml     homework.docx      people.csv         tux-nobg.png
djnunez43983@CIS106VM:~/cis106/weekreports/week4/practicels$ ls -a
.                countries.xml      movie.mp4          tux-nobg.png
..              history-debian.pdf people.csv         tux-penguin.gif
book.txt        homework.docx      song.mp3
djnunez43983@CIS106VM:~/cis106/weekreports/week4/practicels$ ls -l
total 2932
-rw-rw-r-- 1 djnunez43983 djnunez43983    1043 Feb 27  2022 book.txt
-rw-rw-r-- 1 djnunez43983 djnunez43983   23972 Feb 27  2022 countries.xml
-rw-rw-r-- 1 djnunez43983 djnunez43983  163057 Feb 27  2022 history-debian.pdf
-rw-rw-r-- 1 djnunez43983 djnunez43983  111303 Feb 22  2022 homework.docx
-rw-rw-r-- 1 djnunez43983 djnunez43983 1570024 Feb 27  2022 movie.mp4
-rw-rw-r-- 1 djnunez43983 djnunez43983  284042 Feb 27  2022 people.csv
-rw-rw-r-- 1 djnunez43983 djnunez43983  764176 Feb 27  2022 song.mp3
-rw-rw-r-- 1 djnunez43983 djnunez43983   21314 Feb 27  2022 tux-nobg.png
-rw-rw-r-- 1 djnunez43983 djnunez43983   44299 Jan 31  2020 tux-penguin.gif
djnunez43983@CIS106VM:~/cis106/weekreports/week4/practicels$ ls -lht
total 2.9M
-rw-rw-r-- 1 djnunez43983 djnunez43983   24K Feb 27  2022 countries.xml
-rw-rw-r-- 1 djnunez43983 djnunez43983  278K Feb 27  2022 people.csv
-rw-rw-r-- 1 djnunez43983 djnunez43983  747K Feb 27  2022 song.mp3
-rw-rw-r-- 1 djnunez43983 djnunez43983  1.5M Feb 27  2022 movie.mp4
-rw-rw-r-- 1 djnunez43983 djnunez43983  160K Feb 27  2022 history-debian.pdf
-rw-rw-r-- 1 djnunez43983 djnunez43983   21K Feb 27  2022 tux-nobg.png
-rw-rw-r-- 1 djnunez43983 djnunez43983  1.1K Feb 27  2022 book.txt
-rw-rw-r-- 1 djnunez43983 djnunez43983  109K Feb 22  2022 homework.docx
-rw-rw-r-- 1 djnunez43983 djnunez43983   44K Jan 31  2020 tux-penguin.gif
djnunez43983@CIS106VM:~/cis106/weekreports/week4/practicels$ ls -lhgs
total 2.9M
4.0K -rw-rw-r-- 1 djnunez43983 1.1K Feb 27  2022 book.txt
24K -rw-rw-r-- 1 djnunez43983 24K Feb 27  2022 countries.xml
160K -rw-rw-r-- 1 djnunez43983 160K Feb 27  2022 history-debian.pdf
112K -rw-rw-r-- 1 djnunez43983 109K Feb 22  2022 homework.docx
1.5M -rw-rw-r-- 1 djnunez43983 1.5M Feb 27  2022 movie.mp4
280K -rw-rw-r-- 1 djnunez43983 278K Feb 27  2022 people.csv
748K -rw-rw-r-- 1 djnunez43983 747K Feb 27  2022 song.mp3
24K -rw-rw-r-- 1 djnunez43983 21K Feb 27  2022 tux-nobg.png
44K -rw-rw-r-- 1 djnunez43983 44K Jan 31  2020 tux-penguin.gif
djnunez43983@CIS106VM:~/cis106/weekreports/week4/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

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-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

djnunez43983@CIS106VM:~/cis106/weekreports/week4/practicels$ ls -lht
total 2.9M
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-rw-rw-r-- 1 djnunez43983 djnunez43983 44K Jan 31 2020 tux-penguin.gif

djnunez43983@CIS106VM:~/cis106/weekreports/week4/practicels$ ls -lhgs
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djnunez43983@CIS106VM:~/cis106/weekreports/week4/practicels$ ls -lhGS
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-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

djnunez43983@CIS106VM:~/cis106/weekreports/week4/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv, movie.mp4, homework.docx,
history-debian.pdf, countries.xml, book.txt

djnunez43983@CIS106VM:~/cis106/weekreports/week4/practicels$ ls -lX
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml

```

The Filesystem (some important Directories)

Directory	Data Stored in Directory
bin	Essential commands

Directory	Data Stored in Directory
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 variable 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
pwd	prints current working directory	'pwd'	'pwd'
cd	used for changing the current working directory	'cd'	'cd ~/Downloads'
ls	used for displaying all the files inside a given directory	'ls'	'ls ~/Downloads'

Key Terms

Definition of the following terms

- **File system** - The way files are stored and organized to simplify access to data
- **Current directory** - is where you are at the moment
- **Parent directory** - is where you are working and you can move back and forward to subdirectories
- **The difference between your home directory and the home directory** - My home directory is where all my files are located and the home directory is where you will find other home directories.
- **Pathname** - 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 at the root of the file system