

Week Report 4

PRACTICE FROM THE PRESENTATION THE LINUX FILE SYSTEM:

Practice 1

```

keven@cis106:~$ pwd
/home/keven
keven@cis106:~$ cd /home/keven/Downloads
keven@cis106:~/Downloads$ pwd
/home/keven/Downloads
keven@cis106:~/Downloads$ cd ..
keven@cis106:~$ cd ../../
keven@cis106:/$ pwd
/
keven@cis106:/$ cd -
/home/keven
keven@cis106:~$ _

```

Practice 2

```

keven@cis106:~$ cd ~/practicels
keven@cis106:~/practicels$ ls ~/practicels
book.txt countries.xml history-debian.pdf homework.docx movie.mp4 people.csv song.mp3 tux-nobg.png tux-penguin.gif
keven@cis106:~/practicels$ ls -a ~/practicels
. book.txt history-debian.pdf movie.mp4 song.mp3 tux-penguin.gif
.. countries.xml homework.docx people.csv tux-nobg.png
keven@cis106:~/practicels$ ls -la ~/practicels
total 2940
drwxrwxr-x 2 keven keven 4096 Feb 27 2022 .
drwxr-x--- 24 keven keven 4096 Oct 25 21:14 ..
-rw-rw-r-- 1 keven keven 1043 Feb 27 2022 book.txt
-rw-rw-r-- 1 keven keven 23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 keven keven 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 keven keven 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 keven keven 1570024 Feb 27 2022 movie.mp4
-rw-rw-r-- 1 keven keven 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 keven keven 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 keven keven 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 keven keven 44299 Jan 31 2020 tux-penguin.gif
keven@cis106:~/practicels$ ls -lh ~/practicels
total 2.9M
-rw-rw-r-- 1 keven keven 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 keven keven 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 keven keven 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 keven keven 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 keven keven 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 keven keven 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 keven keven 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 keven keven 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 keven keven 44K Jan 31 2020 tux-penguin.gif
keven@cis106:~/practicels$ ls -lht ~/practicels
total 2.9M
-rw-rw-r-- 1 keven keven 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 keven keven 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 keven keven 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 keven keven 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 keven keven 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 keven keven 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 keven keven 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 keven keven 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 keven keven 44K Jan 31 2020 tux-penguin.gif

```

Practice 3

```

I: keven@cis106:~$ pwd
keven@cis106:~$ cd
keven@cis106:~$ cd /
keven@cis106:/ $ cd usr/share/themes
keven@cis106:/usr/share/themes$ cd ../../
keven@cis106:/usr$ ls -A ~
.bash_history  .config      .gitconfig   Pictures     .ssh          .sudo_as_admin_successful  .vboxclient-draganddrop-tty2-service.pid  Videos
.bash_logout  Desktop      .gnupg       .pki         .templates    .vboxclient-hostversion-tty2-control.pid  .vboxclient-seamless-tty2-control.pid     .vscode
.bashrc       Documents   lab4files    practicels   Templates     .vboxclient-clipboard-tty2-control.pid    .vboxclient-seamless-tty2-service.pid     website
.cache        .dotnet     .lessht      .profile     .vboxclient-clipboard-tty2-service.pid    .vboxclient-vmsvga-session-tty2-control.pid
.cis106.png   .fonts      Music        snap         .vboxclient-draganddrop-tty2-control.pid  .vboxclient-vmsvga-session-tty2-service.pid
keven@cis106:/usr$ cd; ls -tX cis106/
cis106-2

keven@cis106:~$ ls -rR ~/cis106
/home/keven/cis106:
cis106-2

/home/keven/cis106/cis106-2:
weekReports labs cheatsheets

/home/keven/cis106/cis106-2/weekReports:
wr4-p1.png wr4-p1.2.png wr4.md wr3.pdf wr3.md fs1.3.png fs1.2.png fs1.1.png

/home/keven/cis106/cis106-2/labs:
'Lab 4' 'Lab 3' 'Lab 2' 'Lab 1'

'/home/keven/cis106/cis106-2/labs/Lab 4':
Lab4.pdf Lab4.5.2.png Lab4.4.4.png Lab4.4.2.png Lab4.2.3.png Lab4.2.1.png Lab4.1.2.png
Lab4.md Lab4.5.1.png Lab4.4.3.png Lab4.4.1.png Lab4.2.2.png Lab4.1.png

'/home/keven/cis106/cis106-2/labs/Lab 3':
TERMINAL.png Q3.4.png Q3.2.png Q2.1.png 'Lab 3.pdf'
Q3.5.png Q3.3.png Q3.1.png Q1.1.png 'Lab 3.md'

'/home/keven/cis106/cis106-2/labs/Lab 2':
Q4.png Q3.png Q2.png Q1.png Q1.2.png 'Lab 2.pdf' 'Lab 2.md'

'/home/keven/cis106/cis106-2/labs/Lab 1':
whatisubuntu.txt what-is-ubuntu.pdf Resume4john.pdf
what_is_ubuntu_submission.pdf ubuntu-logo.png Resume4john.md
what_is_ubuntu_submission.md ubuntu-desktop.png johndoe.jpeg
what_is_ubuntu_submission.html resume.png johndoeinfo.txt

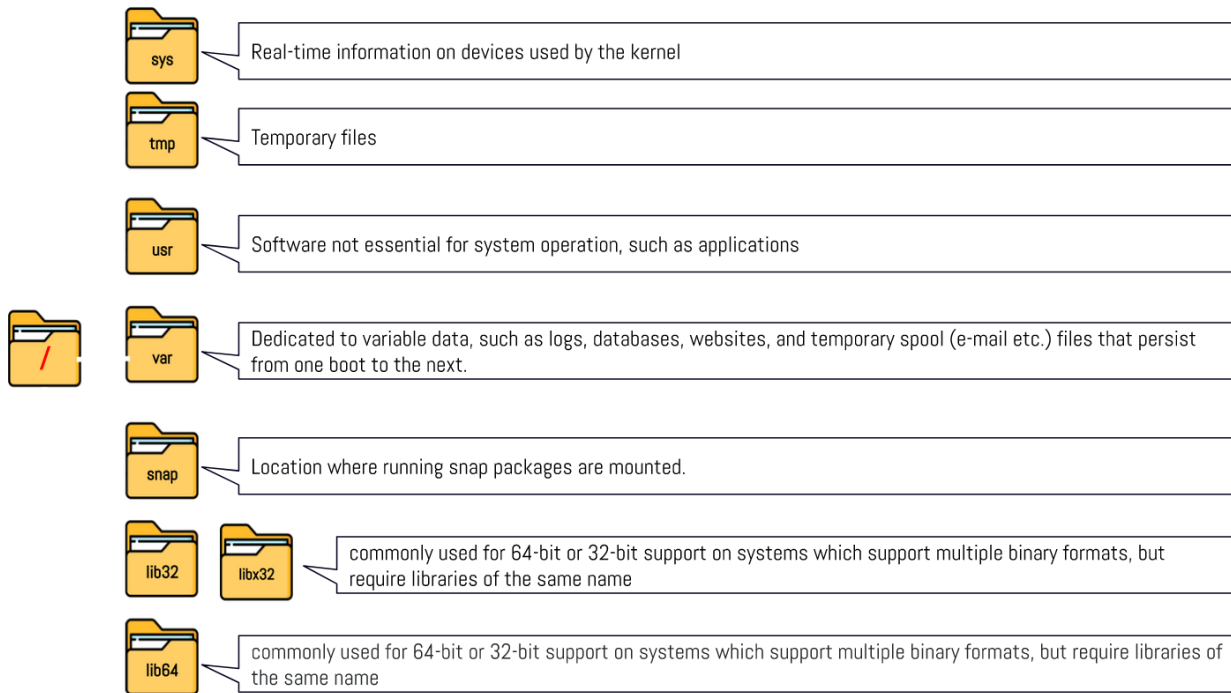
/home/keven/cis106/cis106-2/cheatsheets:
'Linux Workshop Ubuntu Software installation cheat sheet.png'

keven@cis106:~$ ls -lh ~
total 52K
drwxrwxr-x 4 keven keven 4.0K Oct 9 15:12 cis106
drwxr-xr-x 2 keven keven 4.0K Oct 9 12:45 Desktop
drwxr-xr-x 2 keven keven 4.0K Sep 27 12:01 Documents
drwxr-xr-x 2 keven keven 4.0K Oct 25 21:12 Downloads
drwxrwxr-x 2 keven keven 4.0K Feb 22 2022 lab4files
drwxr-xr-x 2 keven keven 4.0K Sep 27 12:01 Music
drwxr-xr-x 2 keven keven 4.0K Oct 25 21:03 Pictures
drwxrwxr-x 2 keven keven 4.0K Feb 27 2022 practicels
drwxr-xr-x 2 keven keven 4.0K Sep 27 12:01 Public
drwx----- 5 keven keven 4.0K Sep 27 12:24 snap
drwxr-xr-x 2 keven keven 4.0K Sep 27 12:01 Templates
drwxr-xr-x 2 keven keven 4.0K Sep 27 12:01 Videos
drwxrwxr-x 4 keven keven 4.0K Oct 18 18:41 website
keven@cis106:~$ ls -lgG --full-time ~
total 52
drwxrwxr-x 4 4096 2023-10-09 15:12:35.631293922 -0400 cis106
drwxr-xr-x 2 4096 2023-10-09 12:45:39.283450959 -0400 Desktop
drwxr-xr-x 2 4096 2023-09-27 12:01:20.628000815 -0400 Documents
drwxr-xr-x 2 4096 2023-10-25 21:12:16.496801655 -0400 Downloads
drwxrwxr-x 2 4096 2022-02-22 14:18:06.000000000 -0500 lab4files
drwxr-xr-x 2 4096 2023-09-27 12:01:20.628000815 -0400 Music
drwxr-xr-x 2 4096 2023-10-25 21:03:05.889641914 -0400 Pictures
drwxrwxr-x 2 4096 2022-02-27 13:46:18.000000000 -0500 practicels
drwxr-xr-x 2 4096 2023-09-27 12:01:20.628000815 -0400 Public
drwx----- 5 4096 2023-09-27 12:24:54.637802251 -0400 snap
drwxr-xr-x 2 4096 2023-09-27 12:01:20.628000815 -0400 Templates
drwxr-xr-x 2 4096 2023-09-27 12:01:20.628000815 -0400 Videos
drwxrwxr-x 4 4096 2023-10-18 18:41:30.033433550 -0400 website
keven@cis106:~$ _

```

THE LINUX FILE SYSTEM DIRECTORIES AND THEIR PURPOSE:





ALL THE COMMANDS FOR NAVIGATING THE FILESYSTEM

Command	What it does	Syntax	Example
pwd	prints current directory	pwd	'pwd'
cd	allows you to move between directories	cd	'cd Documents/'
ls	list files	ls	ls Downloads/

Basic terminology

- **File system** a set of processes that controls how, where and when data is stored and retrieved from a storage device
- **Current directory** the directory where all the commands are being executed
- **parent directory** The directory containing the current directory
- **the difference between YOUR HOME directory and THE HOME directory** the parent directory is the directory above the current directory, the home directory is the default directory for a user
- **pathname** the specifying the location of a file or directory from the root directory
- **relative path** path related to the present working directory
- **absolute path** the specifying the location of a file or directory from the root directory