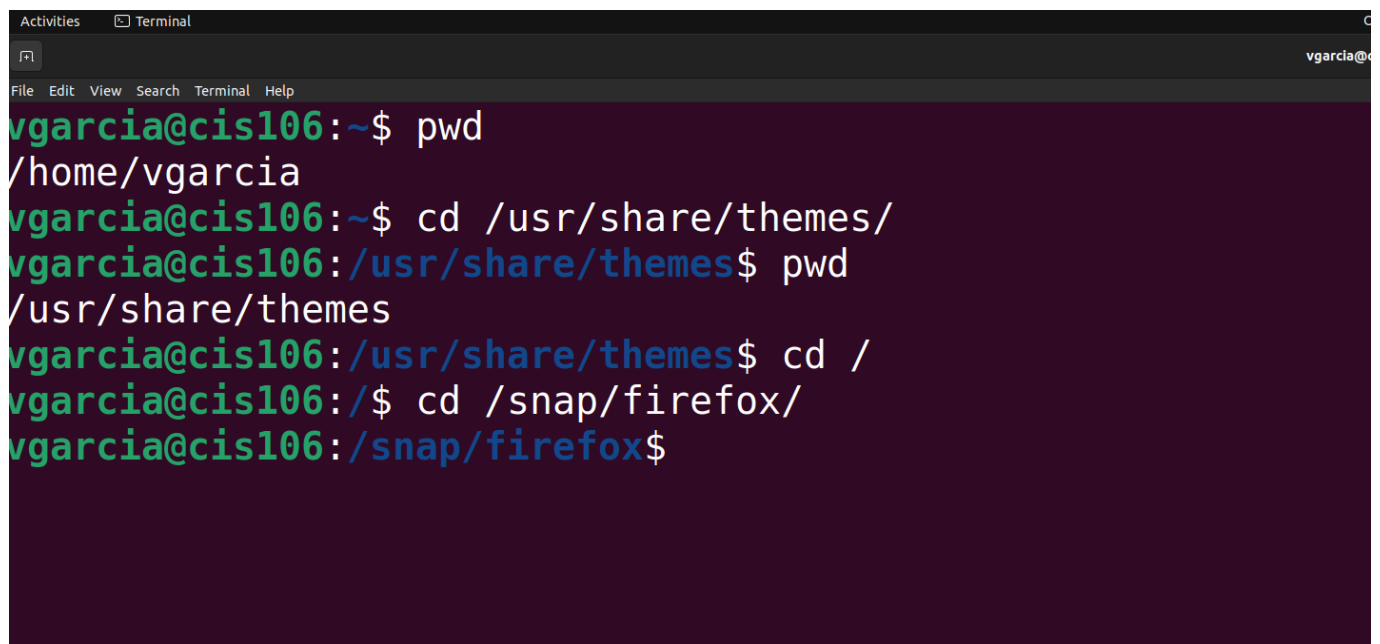
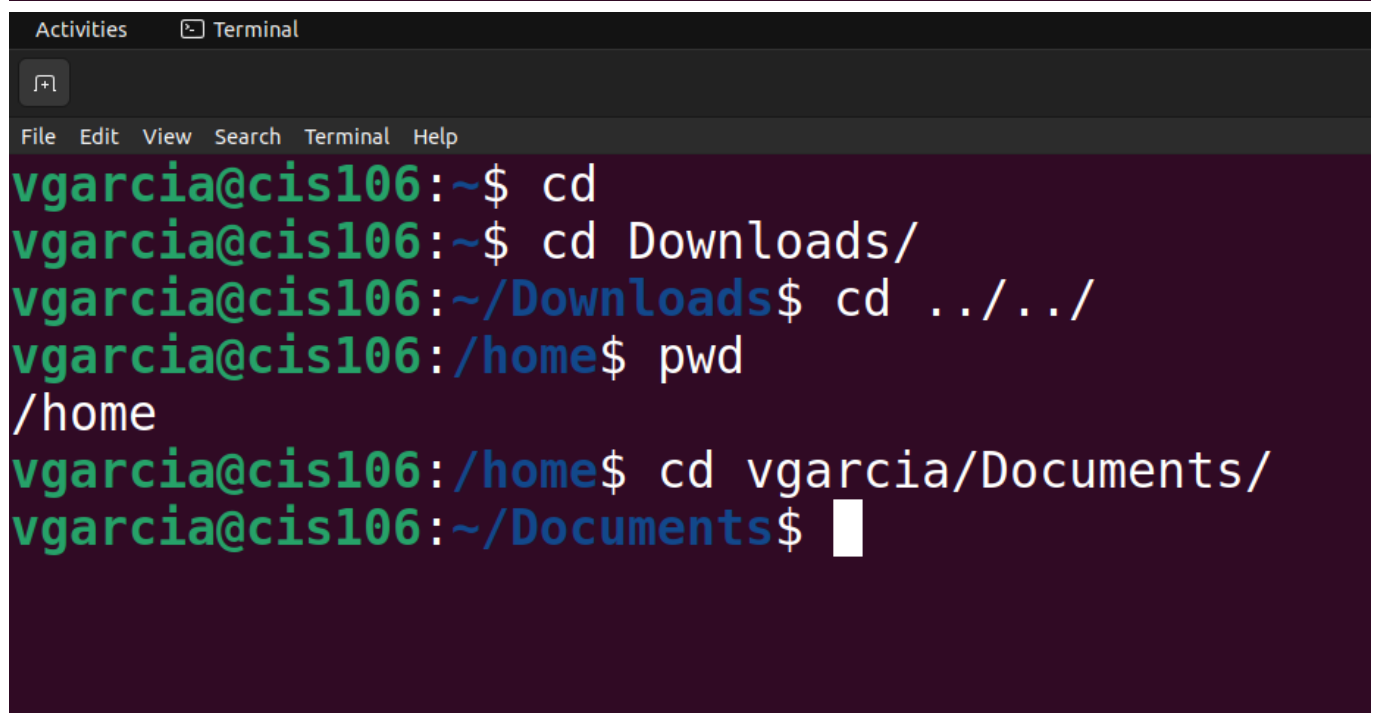


## #Lab 4 The Linux FS

## Question 1



```
Activities Terminal
vgarcia@cis106:~$ pwd
/home/vgarcia
vgarcia@cis106:~$ cd /usr/share/themes/
vgarcia@cis106:/usr/share/themes$ pwd
/usr/share/themes
vgarcia@cis106:/usr/share/themes$ cd /
vgarcia@cis106:/$ cd /snap/firefox/
vgarcia@cis106:/snap/firefox$
```



```
Activities Terminal
vgarcia@cis106:~$ cd
vgarcia@cis106:~$ cd Downloads/
vgarcia@cis106:~/Downloads$ cd ../../
vgarcia@cis106:/home$ pwd
/home
vgarcia@cis106:/home$ cd vgarcia/Documents/
vgarcia@cis106:~/Documents$
```

## Question 2

```

vgarcia@cis106:~/Documents$ cd /usr/share/
vgarcia@cis106:/usr/share$ ls /home/vgarcia/lab4files/
countries.json  csvfile.csv  document.docx  globe.avi  helloWorld.c  Linux.pdf  sample.xls  Tux.png  Ubuntu.pdf  website.html
vgarcia@cis106:/usr/share$ cd -/lab4files/
bash: cd: -/: invalid option
cd: usage: cd [-L|[-P [-e]] [-@]] [dir]
vgarcia@cis106:/usr/share$ cd -/lab4files/
bash: cd: -/: invalid option
cd: usage: cd [-L|[-P [-e]] [-@]] [dir]
vgarcia@cis106:/usr/share$ cd /home/vgarcia/lab4files/
vgarcia@cis106:~/lab4files$ ls -l
total 6580
-rw-rw-r-- 1 vgarcia vgarcia 20471 Feb 22 2022 countries.json
-rw-rw-r-- 1 vgarcia vgarcia 284042 Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 vgarcia vgarcia 764176 Feb 22 2022 document.docx
-rw-rw-r-- 1 vgarcia vgarcia 742478 Feb 22 2022 globe.avi
-rw-rw-r-- 1 vgarcia vgarcia 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 vgarcia vgarcia 2600138 Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 vgarcia vgarcia 8704 Feb 22 2022 sample.xls
-rw-rw-r-- 1 vgarcia vgarcia 42777 Feb 22 2022 Tux.png
-rw-rw-r-- 1 vgarcia vgarcia 2114053 Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 vgarcia vgarcia 137453 Feb 22 2022 website.html
vgarcia@cis106:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 vgarcia vgarcia 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 vgarcia vgarcia 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 vgarcia vgarcia 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 vgarcia vgarcia 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 vgarcia vgarcia 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 vgarcia vgarcia 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 vgarcia vgarcia 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 vgarcia vgarcia 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 vgarcia vgarcia 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 vgarcia vgarcia 135K Feb 22 2022 website.html

```

```

vgarcia@cis106:~/lab4files$ ls -lhs
total 6.5M
-rw-rw-r-- 1 vgarcia vgarcia 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 vgarcia vgarcia 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 vgarcia vgarcia 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 vgarcia vgarcia 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 vgarcia vgarcia 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 vgarcia vgarcia 135K Feb 22 2022 website.html
-rw-rw-r-- 1 vgarcia vgarcia 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 vgarcia vgarcia 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 vgarcia vgarcia 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 vgarcia vgarcia 76 Feb 22 2022 helloWorld.c
vgarcia@cis106:~/lab4files$ ls -lhSgG
total 6.5M
-rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 135K Feb 22 2022 website.html
-rw-rw-r-- 1 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
vgarcia@cis106:~/lab4files$ ls -lhSgGi
total 6.5M
1484741 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
1484792 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
1484804 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
1484806 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
1484803 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
1484810 -rw-rw-r-- 1 135K Feb 22 2022 website.html
1484782 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
1484801 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
1484808 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
1484807 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c

```

### Question 4

lups	java	sound
dbus-1	javascript	source-highlight
conf	ladd	speech-dispatcher
libconf	keyrings	ssl-cert
sebh-helper	language-selector	system-config-printer
seblantils	language-support	systemd
sefaults	language-tools	systemtap
desktop-directories	libcaca	tabset
dict	libc-bin	tccltk
dictionaries-common	libdebbuginfod-common	terminfo
distro-info	libdmr	tex-common
giva	libgettextcat	texlive
gms	libgnomekbd	texmf
gnssnq-base	libgnomeether	themes
goc	libgnomeether-4	thundermailers
goc-base	libinput	tilix
gpg	liblangtag	totem
gmcsy	liblouis	tracker3
gnacsen-common	liblouisstdal	tracker3-miners
gnchant-2	libmisofo	transmission
gog	libreoffice	ubuntu
gwinice	libreweng	ubuntu-drivers-common
evolution-data-server	libthai	ubuntu-release-upgrader
figlet	libwacom	ubuntu-wayland
file	lightdm	ucf
file-roller	linux	ufw
fish	linux-sound-base	unattended-upgrades
flameshot	locale	unity
flatpak	locale-langpack	update-manager
fontconfig	locales	update-notifier
fonts	lto-disabled-list	upstart
fonts-droid-fallback	m230bw	usb-creator
fonts-tillypascina	man	usb_modeswitch
fonts-tillypascina	man-db	vala
foo2gpd	mate-panel	vim
foo2zjs	maven-repo	vlc
gmpd	media-player-info	vulkan
gnemmode	menu	w3m
gcc	mesa-demos	wayland-sessions
gConf	metainfo	x11
gdm	mfz	xapps-common
gdm	mime	xdg-desktop-portal
geany	misc	xml
gnedit	mobile-broadband-provider-info	xml-core
gnoup	ModemManager	xsessions
gnptext	mousetweaks	yelp
gnostscript	mythes	yelp-xsl
git-core	nano	zenity
gitweb	nautilus	zoneinfo
glade	nautilus-python	zoneinfo-icu
glvnd	nautilus-share	zsh
gnome	nemo	zi-1.0
gnome-applets	netpbm	glib-2.0
gnome-background-properties	netplan	gnome-bluetooth-3.0
gnome-bluetooth	netpys	goa-1.0
gnome-control-center	open-vm-tools	gsttreamer-1.0
gnome-initial-setup	openvpn	gtk-4.0
gnome-logs	orca	gtksourceview-2.0
gnome-mahjongg	os-prober	gtksourceview-3.0
gnome-panel	git-klt	gupp-dmex-2.0
gnome-remote-desktop	package-data-downloads	org.gnome.Characters
gnome-session	PackageKit	drirc.d
gnome-settings-daemon	ram	
gnome-shell		

### Question 5

```
vgarcia@cis106:/$ cd /home/student/desktop/document/Downloads/
bash: cd: /home/student/desktop/document/Downloads/: No such file or directory
vgarcia@cis106:/$ cd /home/student/downloads/
bash: cd: /home/student/downloads/: No such file or directory
vgarcia@cis106:/$ cd /
vgarcia@cis106:/$ pwd
/
vgarcia@cis106:/$ cd /Downloads
bash: cd: /Downloads: No such file or directory

vgarcia@cis106:/$ cd /usr/share/themes/Adwaita/
vgarcia@cis106:/usr/share/themes/Adwaita$ pwd
/usr/share/themes/Adwaita
vgarcia@cis106:/usr/share/themes/Adwaita$ cd ../../
vgarcia@cis106:/usr/share$ pwd
/usr/share
vgarcia@cis106:/usr/share$ cd ../
vgarcia@cis106:/usr$ cd /
vgarcia@cis106:/$ pwd
/
vgarcia@cis106:/$ █
```