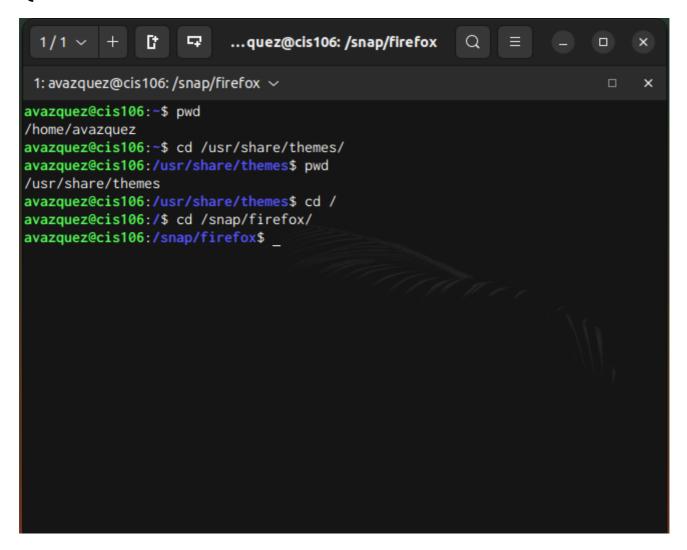
Lab 4 The Linux FS

Question 1



Question 2

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

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    Applications Places

                    다
 1/1 ~ | +
               C†
 1: avazquez@cis106: ~/lab4files ~
avazguez@cis106:~/lab4files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 avazquez avazquez 2.5M Feb 22 2022 Linux.pdf
rw-rw-r-- 1 avazquez avazquez 2.1M Feb 22
                                           2022 Ubuntu.pdf
-rw-rw-r-- 1 avazguez avazguez 747K Feb 22 2022 document.docx
rw-rw-r-- 1 avazguez avazguez 726K Feb 22
                                           2022 globe.avi
-rw-rw-r-- 1 avazquez avazquez 278K Feb 22
                                          2022 csvfile.csv
rw-rw-r-- 1 avazquez avazquez 135K Feb 22
                                          2022 website.html
rw-rw-r-- 1 avazquez avazquez 42K Feb 22
                                          2022 Tux.png
-rw-rw-r-- 1 avazquez avazquez 20K Feb 22 2022 countries.json
rw-rw-r-- 1 avazquez avazquez 8.5K Feb 22
                                           2022 sample.xls
-rw-rw-r-- 1 avazguez avazguez 76 Feb 22 2022 helloWorld.c
avazquez@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
              76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1
avazquez@cis106:~/lab4files$ ls -lhSgGi
total 6.5M
1323218 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
1323296 -rw-rw-r-- 1 2.1M Feb 22
                                 2022 Ubuntu.pdf
1323299 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
1323300 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
1323298 -rw-rw-r-- 1 278K Feb 22
                                 2022 csvfile.csv
1323303 -rw-rw-r-- 1 135K Feb 22 2022 website.html
1323295 -rw-rw-r-- 1 42K Feb 22
                                 2022 Tux.png
1323297 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
1323302 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
                      76 Feb 22 2022 helloWorld.c
1323301 -rw-rw-r-- 1
avazquez@cis106:~/lab4files$
avazquez@cis106:~/lab4files$ ls -Xr
```

```
avazquez@cis106:~/lab4files$ ls -Xr
sample.xls Ubuntu.pdf countries.json document.docx helloWorld.c
Tux.png Linux.pdf website.html csvfile.csv globe.avi
avazquez@cis106:~/lab4files$ _
```

Question 4

```
1: avazquez@cis106: /dev/disk/by-id ~
                                                                                                                        AI 🗆
avazquez@cis106:/usr$ pwd
/usr
avazquez@cis106:/usr$ cd /usr/
avazquez@cis106:/usr$ cd /proc/sys/net/ipv4/
avazquez@cis106:/proc/sys/net/ipv4$ cd ../
avazquez@cis106:/proc/sys/net$ ls /usr/share/backgrounds/
Blue_flower_by_Elena_Stravoravdi.jpg
                                                     jj_light_by_Hiking93.jpg
canvas_by_roytanck.jpg
                                                    Mirror_by_Uday_Nakade.jpg
Optical_Fibers_in_Dark_by_Elena_Stravoravdi.jpg
Cherry_Tree_in_Lakones_by_elenastravoravdi.jpg
                                                     ubuntu2_by_arman1992.jpg
DSC2943_by_kcpru.jpg
Jammy-Jellyfish_WP_4096x2304_Grey.png
                                                    ubuntu_by_arman1992.jpg
ubuntu-default-greyscale-wallpaper.png
avazquez@cis106:/proc/sys/net$ ls /home/avazquez/cis106/
cheatSheets gitcommands txt lake walk
cheatSheets gitcommands.txt labs WeekReports
avazquez@cis106:/proc/sys/net$ ls /home/avazquez/Downloads/
games lab4files.zip movies spotify
avazquez@cis106:/proc/sys/net$ cd /dev/disk/by-id/
avazquez@cis106:/dev/disk/by-id$ ls -a /home/avazquez/
                .cis106.png .fltk
                                                         practicels.tar.xz
                                                                                       .vboxclient-clipboard.pid
                                                                                       .vboxclient-draganddrop.pid
                                                         .profile
                                                                                       .vboxclient-seamless.pid
.bash_history
                                                                                       . vboxclient-vmsvga-session-tty 2.pid\\
                               .gitconfig
bash_logout
                                            newfile
bashrc
                                                         .sudo_as_admin_successful
                file1
                               .lesshst
```

countsservice	gcc	libdebuginfod-common	rig
local	GConf	libdrm	rsync
pi-support	gdb	libexttextcat	rsyslog
dduser	gdm	libgnomekbd	rubygems-integration
isleriot	geany	libgweather	rygel
lacarte	gedit	libgweather-4	samba
lsa	GeoIP	libinput	seahorse
lsa-base	gettext	liblangtag	secureboot
lsa-card-profile	ghostscript	liblouis	sensible-utils
ppdata	git-core	liblouisutdml	session-migration
pp-info	gitweb	libmysofa	sgml
pplications	glade	libreoffice	sgml-base
pport	glvnd	librevenge	sgml-data
pps	gnome	libthai	snmp
pturl	gnome-applets	libwacom	software-properties
spell	<pre>gnome-background-properties</pre>	lightdm	solid
vahi	gnome-bluetooth	lintian	sounds
ackgrounds	gnome-control-center	linux-sound-base	source-highlight
ase-files	gnome-initial-setup	locale	speech-dispatcher
ase-passwd	gnome-logs	locale-langpack	ssl-cert
ash-completion	gnome-mahjongg	locales	system-config-printer
infmts	gnome-panel	lto-disabled-list	systemd
randing	gnome-remote-desktop	m2300w	systemtap
rltty	gnome-session		tabset
ug	gnome-settings-daemon		tcltk
uild-essential	gnome-shell	mate-panel	terminfo
a-certificates	gnome-software	maven-repo	tex-common
affeine-indicator	gnome-system-monitor	media-player-info	texlive
atdoc	gnome-todo	menu	texmf
make	gnome-tweaks	mesa-demos	themes
ode	gnome-video-effects	metainfo	thumbnailers
ogl	gnupg	mfx	tilix
olor	GNUstep	mime	totem
olord	grilo-plugins	misc	tracker3
ommon-licenses	groff	mobile-broadband-provider-info	tracker3-miners
onsolefonts	grub	ModemManager	transmission
onsole-setup	grub-gfxpayload-lists	mousetweaks	ubuntu
onsoletrans	gst-plugins-base	mythes	ubuntu-drivers-common

1: avazquez@cis106: /dev/disk/by-id ~ gst-plugins-base ubuntu-drivers-common ubuntu-release-upgrader ubuntu-wayland nautilus-python nautilus-share dconf gupnp-av unattended-upgrades update-manager help-langpack usb-creator usb_modeswitch djvu dnsmasq-base ImageMagick-6 wayland-sessions doc-base pam-configs xapps-common xdg-desktop-portal indicator-power xml-core installed-tests ipp-usb iso-codes javascript kde4 fonts-sil-abyssinica kservices5 fonts-sil-padauk qlogging-categories5 libc-bin

Question 5

```
1: avazquez@cis106: ~/Downloads ~/
avazquez@cis106: ~$ cd /
avazquez@cis106: /$ cd /home/
avazquez@cis106: /home$ cd /home/avazquez/
avazquez@cis106: ~$ cd Downloads/
avazquez@cis106: ~/Downloads$ pwd
/home/avazquez/Downloads
avazquez@cis106: ~/Downloads$ __
```

```
1: avazquez@cis106: ~/Documents ~/
avazquez@cis106:~$ cd /usr/share/themes/Adwaita
avazquez@cis106:/usr/share/themes/Adwaita$ cd ../../
avazquez@cis106:/usr/share$ cd /home/avazquez/
avazquez@cis106:~$ cd Documents/
avazquez@cis106:~/Documents$ pwd
/home/avazquez/Documents
avazquez@cis106:~/Documents$ __
```