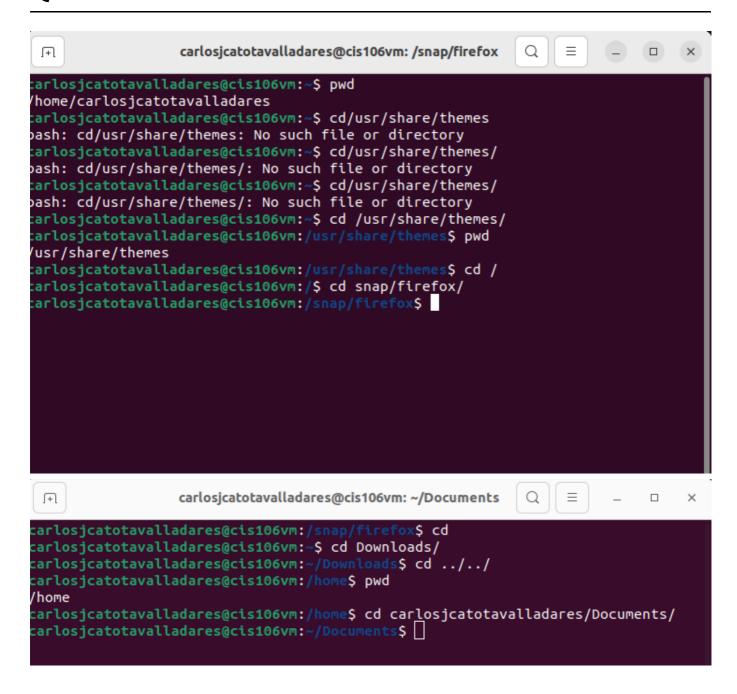
Question 1



Question 2

```
carlosjcatotavalladares@cis106vm:~/Documents$ cd /usr/share/
carlosjcatotavalladares@cis106vm:/usr/share$ ls /home/carlosjcatotavalladares/lab4files/
countries.json document.docx helloWorld.c sample.xls Ubuntu.pdf
                                  Linux.pdf
                                                                website.html
carlosjcatotavalladares@cis106vm:/usr/share$ cd ~/lab4files/carlosjcatotavalladares@cis106vm:~/lab4files$ ls -l
                                                                      20471 Feb 22 2022 countries.json
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 284042 Feb 22
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 764176 Feb 22
                                                                                       2022 csvfile.csv
                                                                                       2022 document.docx
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 742478 Feb 22
                                                                                       2022 globe.av
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares
                                                                           76 Feb 22
                                                                                       2022 helloWorld.c
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 2600138 Feb 22
                                                                                       2022 Linux.pdf
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares
                                                                       8704 Feb 22
                                                                                       2022 sample.xls
                                                                      42777 Feb 22
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares
                                                                                       2022 Tux.png
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 2114053 Feb 22
                                                                                       2022 Ubuntu.pdf
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 137453 Feb 22 2022 website.html
carlosjcatotavalladares@cis106vm:~/lab4files$ ls -h
countries.json document.docx helloWorld.c sample.xls Ubuntu.pdf
                                                  Tux.png
svfile.csv
                                  Linux.pdf
                                                                website.html
carlosjcatotavalladares@cis106vm:~/lab4files$ ls -lh
total 6.5M
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 20K Feb 22 2022 countries.json-
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 278K Feb 22
                                                                                    2022 csvfile.csv
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 747K Feb 22
                                                                                   2022 document.docx
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 726K Feb 22
                                                                                   2022 globe.av
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 76 Feb 22
                                                                                    2022 helloWorld.c
                                                                                   2022 Linux.pdf
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 2.5M Feb 22
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 8.5K Feb 22
                                                                                    2022 sample.xls
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 42K Feb 22
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 2.1M Feb 22
                                                                                    2022 Tux.png
                                                                                   2022 Ubuntu.pdf
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 135K Feb 22
                                                                                   2022 website.html
carlosjcatotavalladares@cis106vm:~/lab4files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 2.5M Feb 22
                                                                                        2022 Linux.pdf
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 2.1M Feb 22
                                                                                        2022 Ubuntu.pdf
-rw-rw-r-- 1 carlosicatotavalladares carlosicatotavalladares 747K Feb 22
                                                                                        2022 document.docx
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 726K Feb 22
                                                                                        2022 globe.avi
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 278K Feb 22
                                                                                        2022 csvfile.csv
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 135K Feb 22
                                                                                        2022 website.html
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 20K Feb 22 2022 countries.json
rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 carlosjcatotavalladares carlosjcatotavalladares 76 Feb 22 2022 helloWorld.c
carlosjcatotavalladares@cis106vm:~/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
carlosjcatotavalladares@cis106vm:~/lab4files$ ls -lhSgGi
total 6.5M
933048 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
933073 -rw-rw-r-- 1 2.1M Feb 22
                                      2022 Ubuntu.pdf
933079 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
933083 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
933077 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
```

2022 website.html

2022 helloWorld.c

2022 Tux.png 2022 countries.json

933165 -rw-rw-r-- 1 135K Feb 22

933049 -rw-rw-r-- 1 42K Feb 22 933075 -rw-rw-r-- 1 20K Feb 22

```
carlosjcatotavalladares@cis106vm:~/lab4
sample.xls Ubuntu.pdf countries.json document.docx
                                                       helloWorld.c
            Linux.pdf
                       website.html
                                        csvfile.csv
                                                        globe.avi
carlosjcatotavalladares@cis106vm:~/lab4files$ ls -Xr1
sample.xls
Ubuntu.pdf
Linux.pdf
countries.json
website.html
document.docx
csvfile.csv
helloWorld.c
lobe.avi
carlosjcatotavalladares@cis106vm:~/lab4files$
```

Question 4

```
carlosjcatotavalladares@cis106vm:~$ pwd
/home/carlosjcatotavalladares
carlosjcatotavalladares@cis106vm:~$ cd /usr/share/icons/default/
carlosjcatotavalladares@cis106vm:/usr/share/icons/default$ cd /proc/sys/net/ipv4/
carlosjcatotavalladares@cis106vm:/proc/sys/net/ipv4$ cd -
/usr/share/icons/default
carlosjcatotavalladares@cis106vm:/usr/share/icons/default$ ls /usr/share/backgrounds/
Blue_flower_by_Elena_Stravoravdi.jpg
canvas_by_roytanck.jpg
Cherry_Tree_in_Lakones_by_elenastravoravdi.jpg
DSC2943_by_kcpru.jpg
Jammy-Jellyfish_WP_4096x2304_Grey.png
jj_dark_by_Hiking93.jpg
jj_light_by_Hiking93.jpg
Mirror_by_Uday_Nakade.jpg
Optical_Fibers_in_Dark_by_Elena_Stravoravdi.jpg
ubuntu2_by_arman1992.jpg
ubuntu_by_arman1992.jpg
ubuntu-default-greyscale-wallpaper.png
warty-final-ubuntu.png
carlosjcatotavalladares@cis106vm:/usr/share/icons/default$ ls ~/cis106/
carlosjcatotavalladares@cis106vm:/usr/share/icons/default$ cd
```

carlosjcatotavalladares@cis106vm:/dev/disk/by-id\$ ls -X /usr/share/

Iconf nautilus-python

ebconf nautilus-share

4/7

ghostscript	session-migration
git-core	sgml
gitweb	sgml-base
glade	
glvnd	
gnome	
gnome-applets	
gnome-background-properties	
gnome-bluetooth	
gnome-control-center	speech-dispatcher
gnome-initial-setup	
gnome-logs	
gnome-mahjongg	
gnome-panel	
gnome-remote-desktop	tabset
gnome-session	
gnome-settings-daemon	
gnome-shell	tex-common
gnome-software	
gnome-system-monitor	
gnome-todo	
gnome-tweaks	thumbnailers
gnome-video-effects	
gnupg	totem
grilo-plugins	
groff	
grub	
grub-gfxpayload-lists	ubuntu
gst-plugins-base	ubuntu-drivers-common
gtk-doc	ubuntu-release-upgrader
gtk-engines	ubuntu-wayland
gtksourceview-4	
guile	
gupnp-av	
gvfs	
help	
help-langpack	
hplip	
hunspell	
hwdata	usb_modeswitch
hyphen	
i18n	
ibus	
ibus-table	
icons	w3m

icons w3m

ImageMagick-6 wayland-sessions
im-config X11
indicator-application xapps-common
indicator-power xdg-desktop-portal
indicators xml
info xml-core
initramfs-tools xsessions
installed-tests yelp
ipp-usb yelp-xsl
iptables zenity
iso-codes zoneinfo
java zoneinfo-icu
javascript zsh
kconf_update gir-1.0
kde4 glib-2.0
keyrings gnome-bluetooth-3.0
kf5 goa-1.0
knotifications5 gstreamer-1.0
kservices5 gtk-4.0
kservicetypes5 gtksourceview-2.0
language-selector gtksourceview-3.0
language-support gupnp-dlna-2.0
language-tools org.gnome.Characters
libcaca

Question 5

```
carlosjcatotavalladares@cis106vm:~$ cd /../../
carlosjcatotavalladares@cis106vm:/$ cd home/carlosjcatotavalladares/Downloads/
carlosjcatotavalladares@cis106vm:~/Downloads$ pwd
/home/carlosjcatotavalladares@cis106vm:~/Downloads$

carlosjcatotavalladares@cis106vm:~$ cd /usr/share/themes/Adwaita/
carlosjcatotavalladares@cis106vm:/usr/share/themes/Adwaita$ cd ~/Documents/
carlosjcatotavalladares@cis106vm:~/Documents$ pwd
/home/carlosjcatotavalladares/Documents
carlosjcatotavalladares@cis106vm:~/Documents$
```