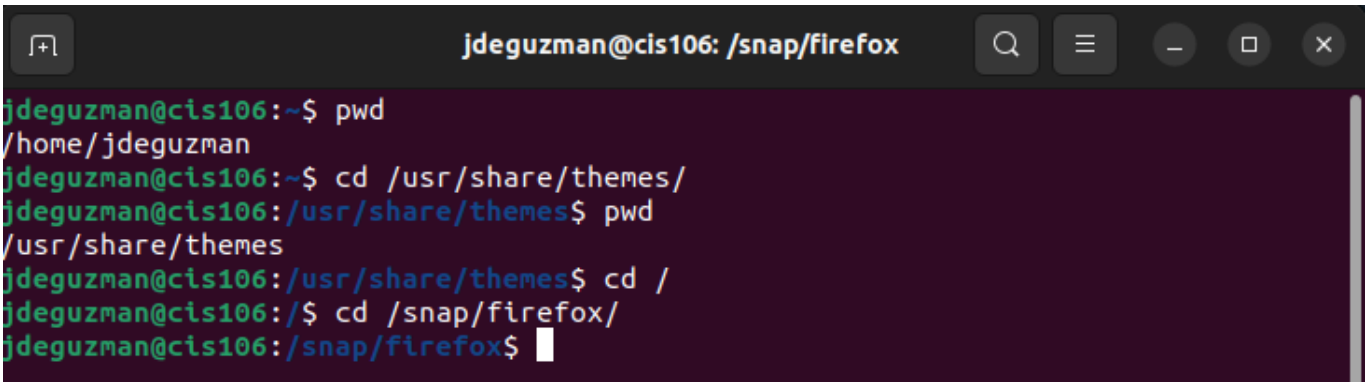
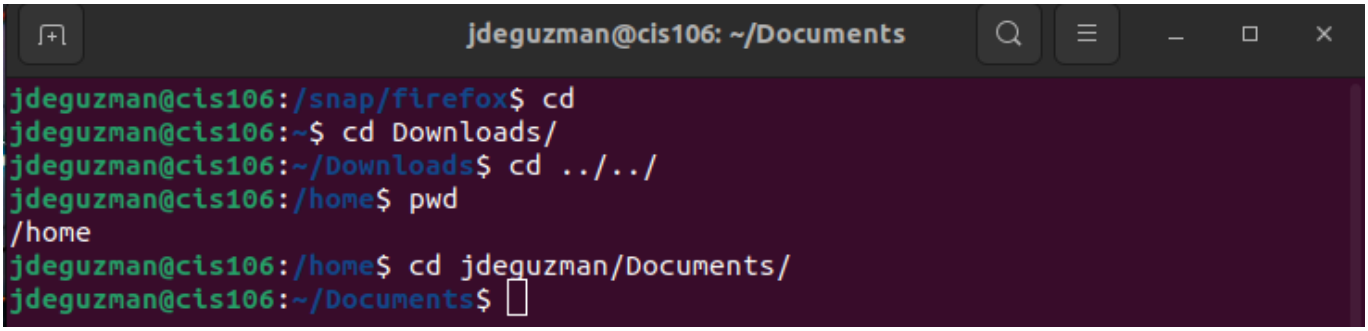
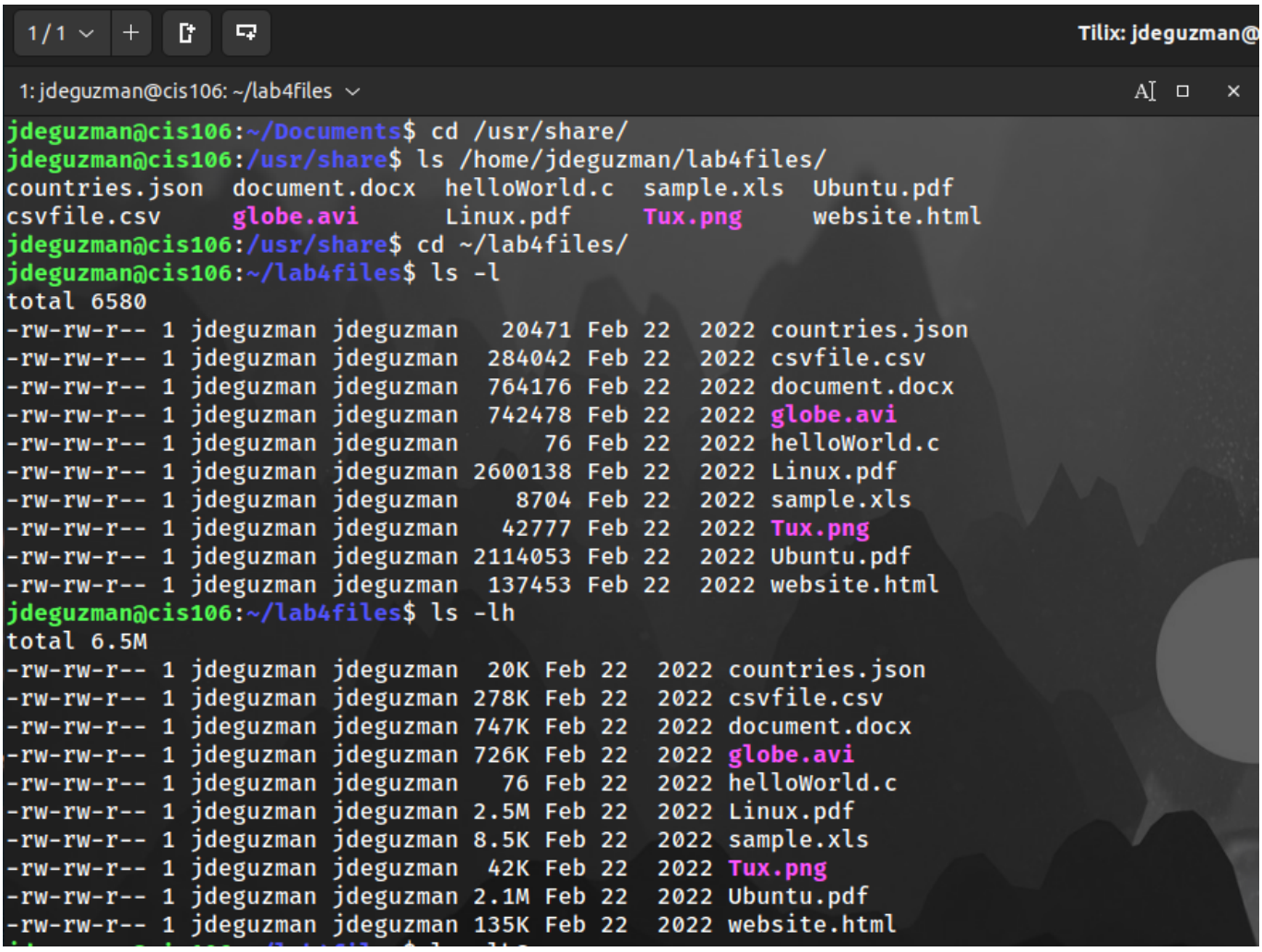
Lab 4 The Linux FS

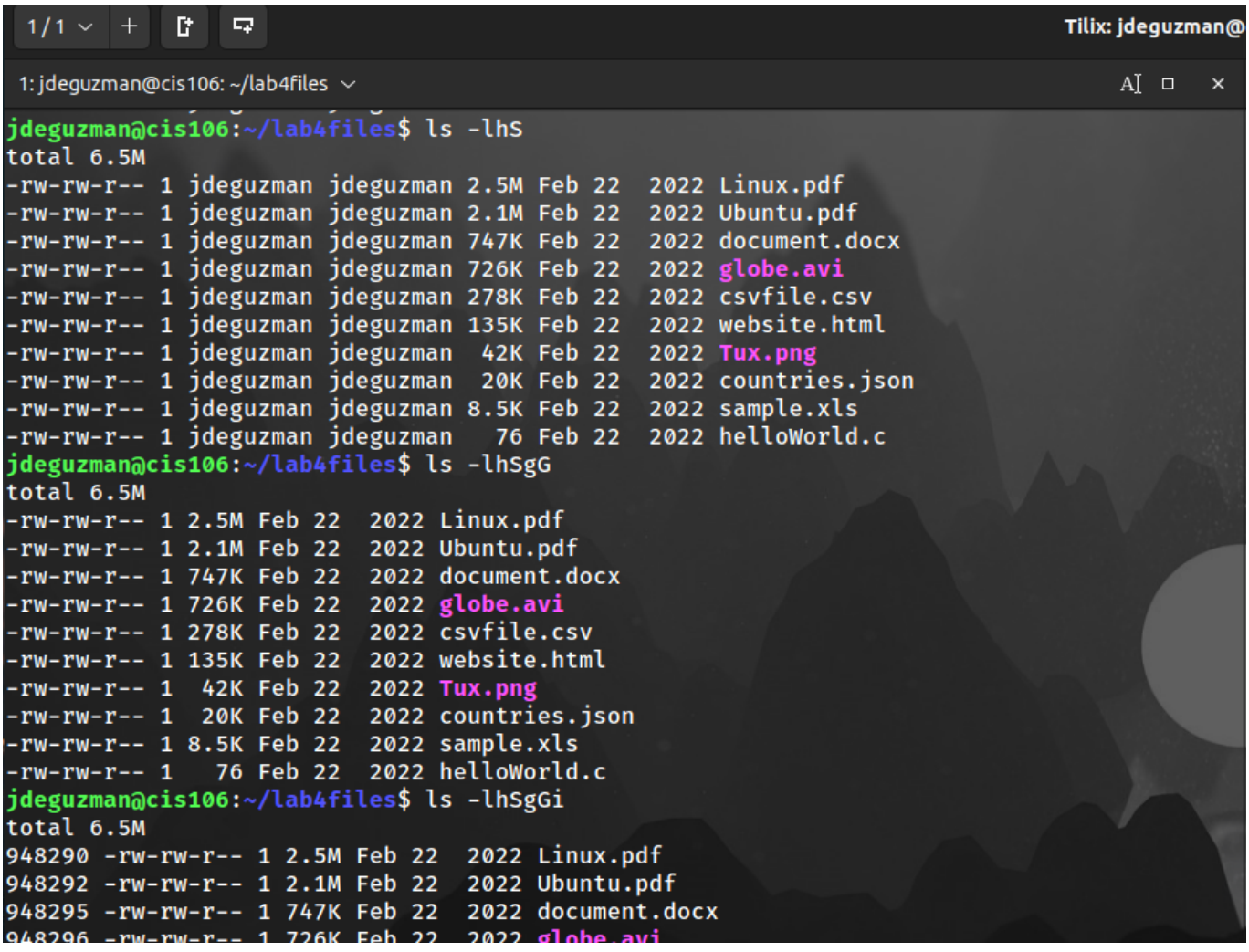
Question 1





Question 2


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


1 / 1
Tilix: jdeguzman@
1: jdeguzman@cis106: ~/lab4files
jdeguzman@cis106:~/lab4files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 jdeguzman jdeguzman 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 jdeguzman jdeguzman 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 jdeguzman jdeguzman 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 jdeguzman jdeguzman 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 jdeguzman jdeguzman 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 jdeguzman jdeguzman 135K Feb 22 2022 website.html
-rw-rw-r-- 1 jdeguzman jdeguzman 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 jdeguzman jdeguzman 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 jdeguzman jdeguzman 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 jdeguzman jdeguzman 76 Feb 22 2022 helloWorld.c
jdeguzman@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
jdeguzman@cis106:~/lab4files$ ls -lhSgGi
total 6.5M
948290 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
948292 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
948295 -rw-rw-r-- 1 747K Feb 22 2022 document.docx

```
948294 -rw-rw-r-- 1 278K Feb 22  2022 csvfile.csv
948300 -rw-rw-r-- 1 135K Feb 22  2022 website.html
948291 -rw-rw-r-- 1  42K Feb 22  2022 Tux.png
948293 -rw-rw-r-- 1  20K Feb 22  2022 countries.json
948299 -rw-rw-r-- 1 8.5K Feb 22  2022 sample.xls
948298 -rw-rw-r-- 1   76 Feb 22  2022 helloWorld.c
```

```
jdeguzman@cis106:~/lab4files$ ls -Xr
sample.xls  Ubuntu.pdf  countries.json  document.docx  helloWorld.c
Tux.png     Linux.pdf   website.html    csvfile.csv    globe.avi
jdeguzman@cis106:~/lab4files$ ls -Xr1
sample.xls
Tux.png
Ubuntu.pdf
Linux.pdf
countries.json
website.html
document.docx
csvfile.csv
helloWorld.c
globe.avi
jdeguzman@cis106:~/lab4files$ _
```

Question 4

```
jdeguzman@cis106:~$ pwd
/home/jdeguzman
```

```
jdeguzman@cis106:~$ cd /usr/
```

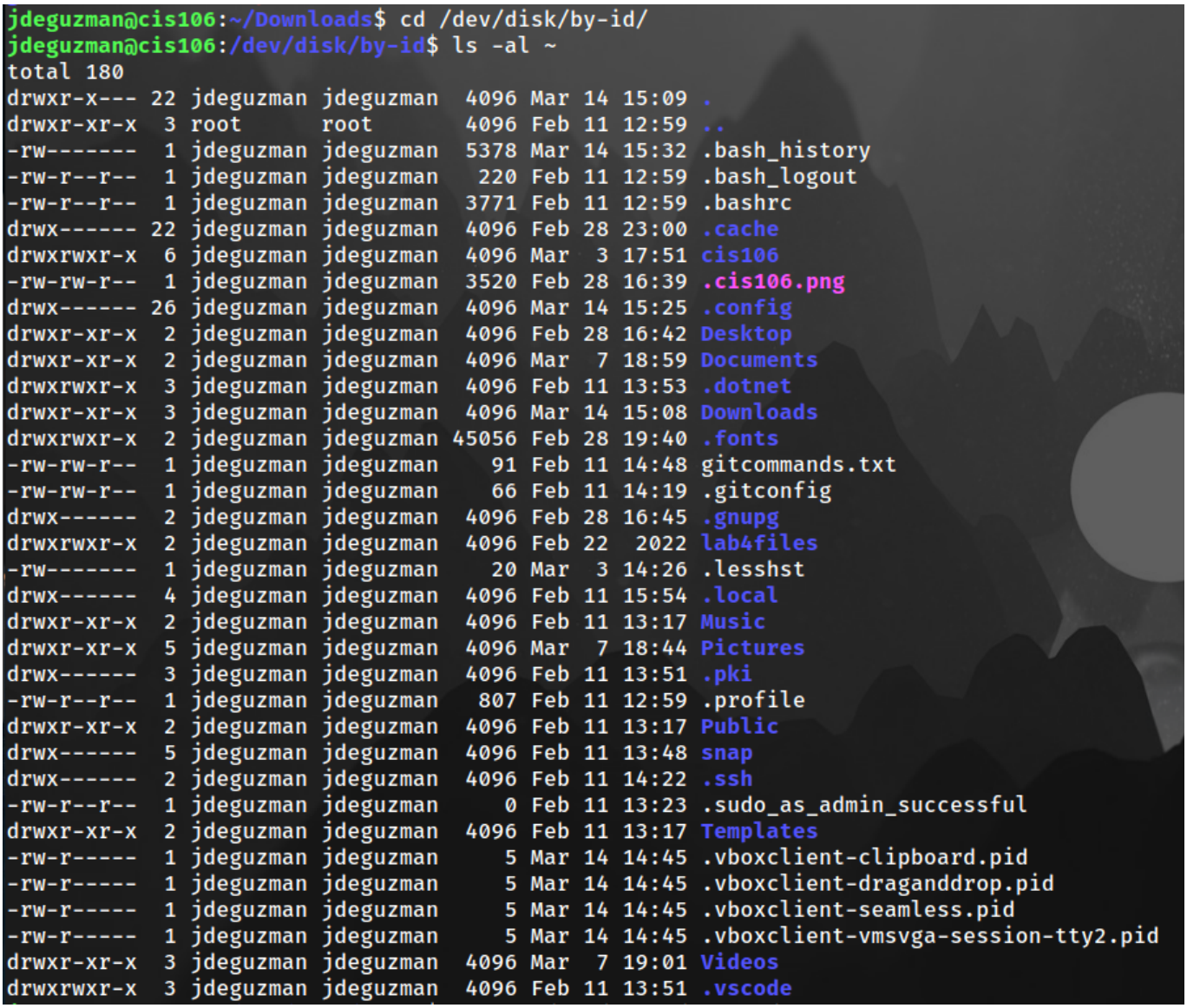
```
jdeguzman@cis106:/usr$ cd /proc/sys/net/ipv4/
```

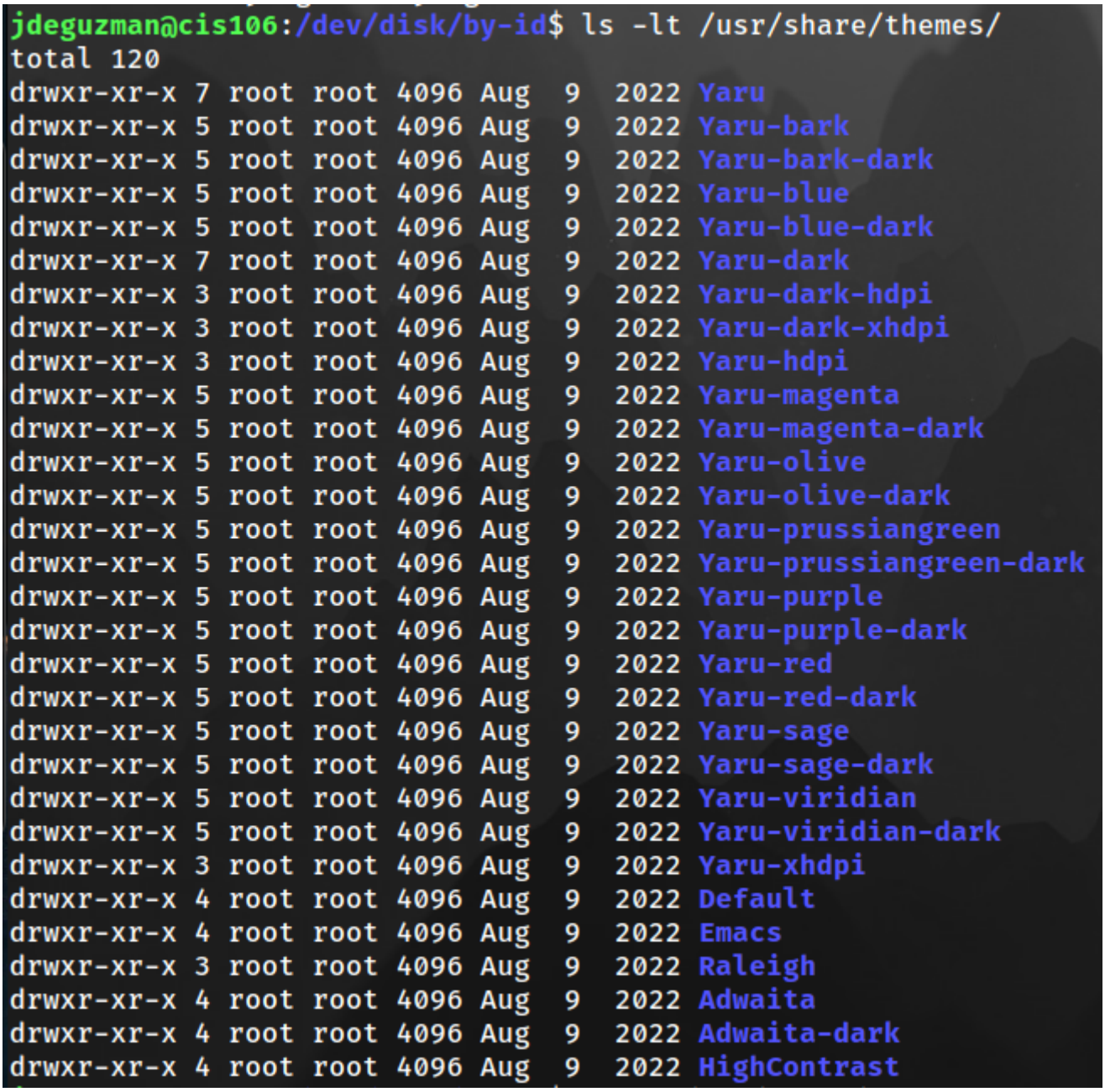
```
jdeguzman@cis106:/proc/sys/net/ipv4$ cd ../
```

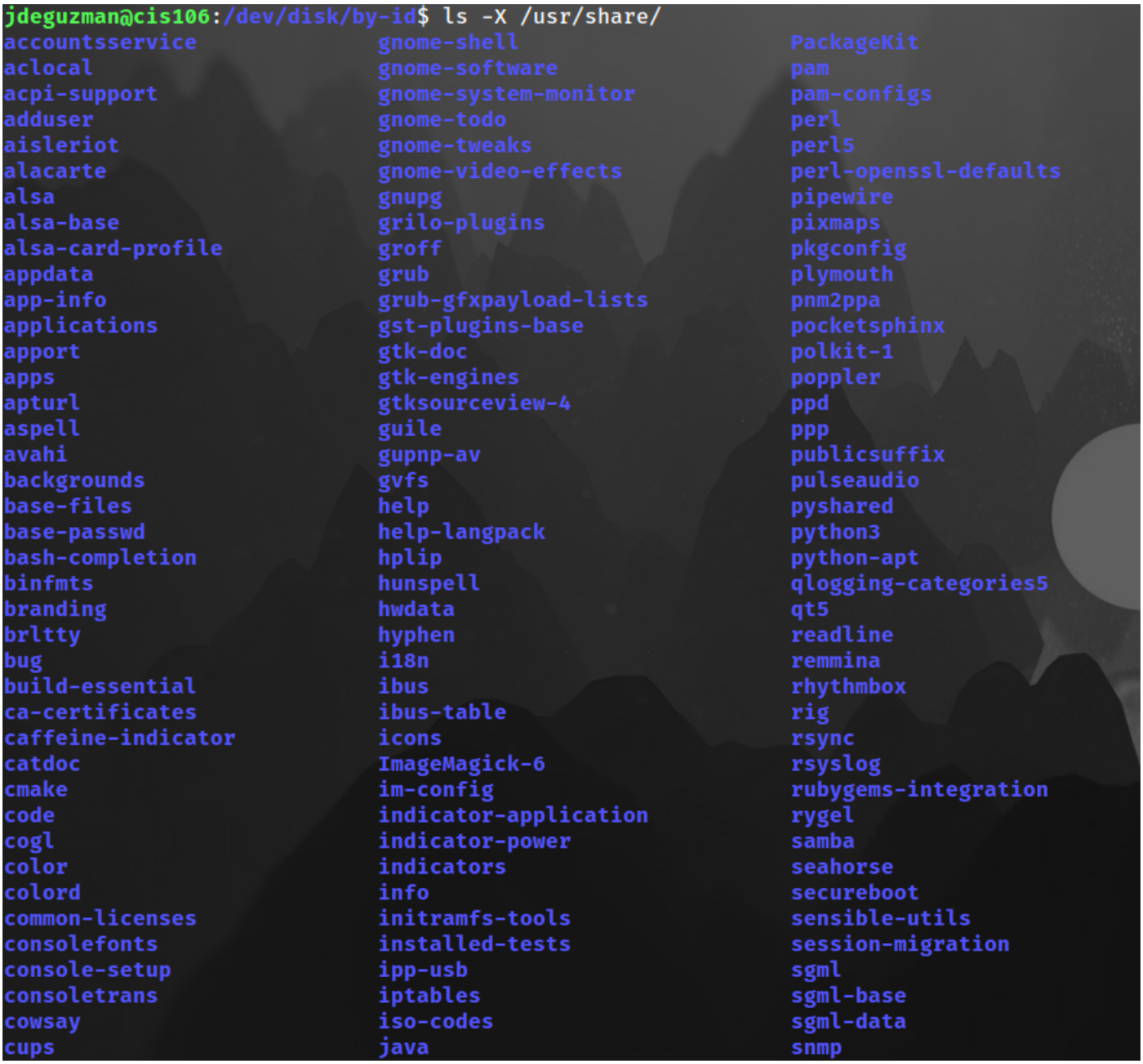
```
jdeguzman@cis106:/proc/sys/net$ ls /usr/share/backgrounds/
Blue_flower_by_Elena_Stravoravdi.jpg
canvas_by_roytanck.jpg
Cherry_Tree_in_Lakones_by_elenastravoravdi.jpg
contest
DSC2943_by_kcpru.jpg
Jammy-Jellyfish_WP_4096x2304_Grey.png
jj_dark_by_Hiking93.jpg
jj_light_by_Hiking93.jpg
Mirror_by_Uday_Nakade.jpg
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
```

```
jdeguzman@cis106:/proc/sys/net$ ls ~/cis106/
cheatSheets  labs  weekReports
```

```
jdeguzman@cis106:/proc/sys/net$ cd ~/Downloads/
jdeguzman@cis106:~/Downloads$ ls
games  lab4files.zip
```


jdeguzman@cis106:~/Downloads$ cd /dev/disk/by-id/
jdeguzman@cis106:/dev/disk/by-id$ ls -al ~
total 180
drwxr-x--- 22 jdeguzman jdeguzman 4096 Mar 14 15:09 .
drwxr-xr-x 3 root   root   4096 Feb 11 12:59 ..
-rw------- 1 jdeguzman jdeguzman 5378 Mar 14 15:32 .bash_history
-rw-r--r-- 1 jdeguzman jdeguzman   220 Feb 11 12:59 .bash_logout
-rw-r--r-- 1 jdeguzman jdeguzman 3771 Feb 11 12:59 .bashrc
drwx------ 22 jdeguzman jdeguzman 4096 Feb 28 23:00 .cache
drwxrwxr-x 6 jdeguzman jdeguzman 4096 Mar 3 17:51 cis106
-rw-rw-r-- 1 jdeguzman jdeguzman 3520 Feb 28 16:39 .cis106.png
drwx------ 26 jdeguzman jdeguzman 4096 Mar 14 15:25 .config
drwxr-xr-x 2 jdeguzman jdeguzman 4096 Feb 28 16:42 Desktop
drwxr-xr-x 2 jdeguzman jdeguzman 4096 Mar 7 18:59 Documents
drwxrwxr-x 3 jdeguzman jdeguzman 4096 Feb 11 13:53 .dotnet
drwxr-xr-x 3 jdeguzman jdeguzman 4096 Mar 14 15:08 Downloads
drwxrwxr-x 2 jdeguzman jdeguzman 45056 Feb 28 19:40 .fonts
-rw-rw-r-- 1 jdeguzman jdeguzman   91 Feb 11 14:48 gitcommands.txt
-rw-rw-r-- 1 jdeguzman jdeguzman   66 Feb 11 14:19 .gitconfig
drwx------ 2 jdeguzman jdeguzman 4096 Feb 28 16:45 .gnupg
drwxrwxr-x 2 jdeguzman jdeguzman 4096 Feb 22 2022 lab4files
-rw------- 1 jdeguzman jdeguzman   20 Mar 3 14:26 .lesshst
drwx------ 4 jdeguzman jdeguzman 4096 Feb 11 15:54 .local
drwxr-xr-x 2 jdeguzman jdeguzman 4096 Feb 11 13:17 Music
drwxr-xr-x 5 jdeguzman jdeguzman 4096 Mar 7 18:44 Pictures
drwx------ 3 jdeguzman jdeguzman 4096 Feb 11 13:51 .pki
-rw-r--r-- 1 jdeguzman jdeguzman   807 Feb 11 12:59 .profile
drwxr-xr-x 2 jdeguzman jdeguzman 4096 Feb 11 13:17 Public
drwx------ 5 jdeguzman jdeguzman 4096 Feb 11 13:48 snap
drwx------ 2 jdeguzman jdeguzman 4096 Feb 11 14:22 .ssh
-rw-r--r-- 1 jdeguzman jdeguzman   0 Feb 11 13:23 .sudo_as_admin_successful
drwxr-xr-x 2 jdeguzman jdeguzman 4096 Feb 11 13:17 Templates
-rw-r----- 1 jdeguzman jdeguzman   5 Mar 14 14:45 .vboxclient-clipboard.pid
-rw-r----- 1 jdeguzman jdeguzman   5 Mar 14 14:45 .vboxclient-draganddrop.pid
-rw-r----- 1 jdeguzman jdeguzman   5 Mar 14 14:45 .vboxclient-seamless.pid
-rw-r----- 1 jdeguzman jdeguzman   5 Mar 14 14:45 .vboxclient-vmsvga-session-tty2.pid
drwxr-xr-x 3 jdeguzman jdeguzman 4096 Mar 7 19:01 Videos
drwxrwxr-x 3 jdeguzman jdeguzman 4096 Feb 11 13:51 .vscode


jdeguzman@cis106:/dev/disk/by-id$ ls -lt /usr/share/themes/
total 120
drwxr-xr-x 7 root root 4096 Aug 9 2022 Yaru
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-bark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-bark-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-blue
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-blue-dark
drwxr-xr-x 7 root root 4096 Aug 9 2022 Yaru-dark
drwxr-xr-x 3 root root 4096 Aug 9 2022 Yaru-dark-hdpi
drwxr-xr-x 3 root root 4096 Aug 9 2022 Yaru-dark-xhdpi
drwxr-xr-x 3 root root 4096 Aug 9 2022 Yaru-hdpi
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-magenta
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-magenta-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-olive
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-olive-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-prussiangreen
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-prussiangreen-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-purple
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-purple-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-red
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-red-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-sage
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-sage-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-viridian
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-viridian-dark
drwxr-xr-x 3 root root 4096 Aug 9 2022 Yaru-xhdpi
drwxr-xr-x 4 root root 4096 Aug 9 2022 Default
drwxr-xr-x 4 root root 4096 Aug 9 2022 Emacs
drwxr-xr-x 3 root root 4096 Aug 9 2022 Raleigh
drwxr-xr-x 4 root root 4096 Aug 9 2022 Adwaita
drwxr-xr-x 4 root root 4096 Aug 9 2022 Adwaita-dark
drwxr-xr-x 4 root root 4096 Aug 9 2022 HighContrast


jdeguzman@cis106:/dev/disk/by-id$ ls -X /usr/share/
accountsservice
aclocal
acpi-support
adduser
aisleriot
alacarte
alsa
alsa-base
alsa-card-profile
appdata
app-info
applications
apport
apps
apturl
aspell
avahi
backgrounds
base-files
base-passwd
bash-completion
binfmts
branding
brltty
bug
build-essential
ca-certificates
caffeine-indicator
catdoc
cmake
code
cogl
color
colord
common-licenses
consolefonts
console-setup
consoletrans
cowsay
cups
gnome-shell
gnome-software
gnome-system-monitor
gnome-todo
gnome-tweaks
gnome-video-effects
gnupg
grilo-plugins
groff
grub
grub-gfxpayload-lists
gst-plugins-base
gtk-doc
gtk-engines
gtksourceview-4
guile
gupnp-av
gvfs
help
help-langpack
hplip
hunspell
hwdata
hyphen
i18n
ibus
ibus-table
icons
ImageMagick-6
im-config
indicator-application
indicator-power
indicators
info
initramfs-tools
installed-tests
ipp-usb
iptables
iso-codes
java
PackageKit
pam
pam-configs
perl
perl5
perl-openssl-defaults
pipewire
pixmaps
pkgconfig
plymouth
pnm2ppa
pocketsphinx
polkit-1
poppler
ppd
ppp
publicsuffix
pulseaudio
pyshared
python3
python-apt
qlogging-categories5
qt5
readline
remmina
rhythmbox
rig
rsync
rsyslog
rubygems-integration
rygel
samba
seahorse
secureboot
sensible-utils
session-migration
sgml
sgml-base
sgml-data
snmp

dbus-1
dconf
debconf
debhelper
debianutils
defaults
desktop-directories
dict
dictionaries-common
distro-info
djvu
dns
dnsmasq-base
doc
doc-base
dpkg
emacs
emacsen-common
enchant-2
eog
epiphany-browser
evince
evolution-data-server
figlet
file
file-roller
fish
flameshot
flatpak
fontconfig
fonts
fonts-droid-fallback
fonts-sil-abyssinica
fonts-sil-padauk
foo2qpdl
foo2zjs
fwupd
gamemode
games
gcc
GConf
javascript
kconf_update
kde4
keyrings
kf5
knotifications5
kservices5
kservicetypes5
language-selector
language-support
language-tools
libcaca
libc-bin
libdebuginfod-common
libdrm
libexttextcat
libgnomekbd
libgweather
libgweather-4
libinput
liblangtag
liblouis
liblouisutdml
libmysofa
libreoffice
librevenge
libthai
libwacom
lightdm
lintian
linux-sound-base
locale
locale-langpack
locales
lto-disabled-list
m2300w
man
man-db
mate-panel
maven-repo
media-player-info
software-properties
solid
sounds
source-highlight
speech-dispatcher
ssl-cert
system-config-printer
systemd
systemtap
tabset
tcltk
terminfo
tex-common
texlive
texmf
themes
thumbnailers
tilix
totem
tracker3
tracker3-miners
transmission
ubuntu
ubuntu-drivers-common
ubuntu-release-upgrader
ubuntu-wayland
ucf
ufw
unattended-upgrades
unity
update-manager
update-notifier
upstart
usb-creator
usb_modeswitch
vala
vim
vlc
vulkan
w3m
wayland-sessions

```
gdb                             menu                            X11
gdm                             mesa-demos                      xapps-common
geany                           metainfo                        xdg-desktop-portal
geary                           mfx                             xml
gedit                           mime                            xml-core
GeoIP                           misc                            xsessions
gettext                         mobile-broadband-provider-info  yelp
ghostscript                     ModemManager                    yelp-xsl
git-core                        mousetweaks                     zenity
gitweb                          mythes                          zoneinfo
glade                           nano                            zoneinfo-icu
glvnd                           nautilus                        zsh
gnome                           nautilus-python                 gir-1.0
gnome-applets                   nautilus-share                  glib-2.0
gnome-background-properties     nemo                            gnome-bluetooth-3.0
gnome-bluetooth                 netpbm                          goa-1.0
gnome-control-center            netplan                         gstreamer-1.0
gnome-initial-setup             numpy3                          gtk-4.0
gnome-logs                      open-vm-tools                   gtksourceview-2.0
gnome-mahjongg                  openvpn                         gtksourceview-3.0
gnome-panel                     orca                            gupnp-dlna-2.0
gnome-remote-desktop            os-prober                       org.gnome.Characters
gnome-session                   p11-kit                         drirc.d
gnome-settings-daemon           package-data-downloads
```

Question 5

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

```
jdeguzman@cis106:~/Downloads$ cd /usr/share/themes/Adwaita
jdeguzman@cis106:/usr/share/themes/Adwaita$ cd /home/jdeguzman/Documents/
jdeguzman@cis106:~/Documents$ pwd
/home/jdeguzman/Documents
```