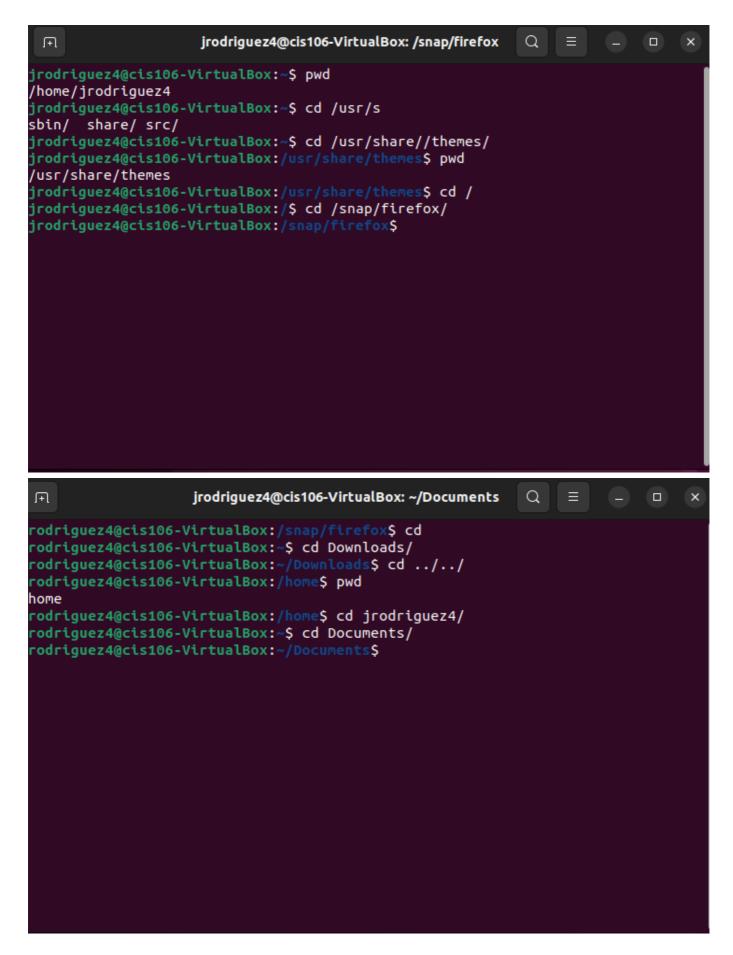
Lab 4 The Linux FS

Question 1



Question 2

```
jrodriguez4@cis106-VirtualBox:~$ cd/usr/shre
bash: cd/usr/shre: No such file or directory
jrodriguez4@cis106-VirtualBox:~$ cd/usr/share
bash: cd/usr/share: No such file or directory
jrodriguez4@cis106-VirtualBox:~$ pwd
/home/jrodriguez4
jrodriguez4@cis106-VirtualBox:~$ cd /usr/share/
jrodriguez4@cis106-VirtualBox:/usr/share$ ls ~/lab4files
countries.json document.docx helloWorld.c sample.xls Ubuntu.pdf
                  globe.avi
csvfile.csv
                                    Linux.pdf
                                                                   website.html
irodriguez4@cis106-VirtualBox:/usr/share$ cd ~
jrodriguez4@cis106-VirtualBox:~$ cd ~/lab4files/
jrodriguez4@cis106-VirtualBox:~/lab4files$ ls -l
total 6580
-rw-rw-r-- 1 jrodriguez4 jrodriguez4
                                             20471 Feb 22 2022 countries.json
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 284042 Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 284042 Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 764176 Feb 22 2022 document.docx
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 742478 Feb 22 2022 globe.avi
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 2600138 Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 8704 Feb 22 2022 sample.xls
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 42777 Feb 22 2022 Tux.png
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 2114053 Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 137453 Feb 22 2022 website.html
jrodriguez4@cis106-VirtualBox:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 20K Feb 22
                                                           2022 countries.json
rw-rw-r-- 1 jrodriguez4 jrodriguez4 278K Feb 22
                                                           2022 csvfile.csv
rw-rw-r-- 1 jrodriguez4 jrodriguez4 747K Feb 22
                                                           2022 document.docx
rw-rw-r-- 1 jrodriguez4 jrodriguez4 726K Feb 22
                                                           2022 globe.avi
                                                           2022 helloWorld.c
rw-rw-r-- 1 jrodriguez4 jrodriguez4 76 Feb 22
rw-rw-r-- 1 jrodriguez4 jrodriguez4 2.5M Feb 22
                                                           2022 Linux.pdf
rw-rw-r-- 1 jrodriguez4 jrodriguez4 8.5K Feb 22
                                                           2022 sample.xls
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 42K Feb 22
                                                           2022 Tux.png
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 2.1M Feb 22
                                                           2022 Ubuntu.pdf
-rw-rw-r-- 1 jrodriguez4 jrodriguez4 135K Feb 22
                                                           2022 website.html
rodriguez4@cis106-VirtualBox:~/lab4files$ ls -lhS
otal 6.5M
rw-rw-r-- 1 jrodriguez4 jrodriguez4 2.5M Feb 22 2022 Linux.pdf
rw-rw-r-- 1 jrodriguez4 jrodriguez4 2.1M Feb 22
                                                        2022 Ubuntu.pdf
rw-rw-r-- 1 jrodriguez4 jrodriguez4 747K Feb 22 2022 document.docx
rw-rw-r-- 1 jrodriguez4 jrodriguez4 726K Feb 22 2022 globe.avi
rw-rw-r-- 1 jrodriguez4 jrodriguez4 278K Feb 22 2022 csvfile.csv
rw-rw-r-- 1 jrodriguez4 jrodriguez4 135K Feb 22 2022 website.html
rw-rw-r-- 1 jrodriguez4 jrodriguez4 42K Feb 22 2022 Tux.png
rw-rw-r-- 1 jrodriguez4 jrodriguez4 20K Feb 22 2022 countries.json
rw-rw-r-- 1 jrodriguez4 jrodriguez4 8.5K Feb 22 2022 sample.xls
rw-rw-r-- 1 jrodriguez4 jrodriguez4 76 Feb 22 2022 helloWorld.c
rodriguez4@cis106-VirtualBox:~/lab4files$ ls -lhSqG
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
rodriguez4@cis106-VirtualBox:~/lab4files$ ls -Xr
sample.xls Ubuntu.pdf countries.json document.docx
                                                               helloWorld.c
            Linux.pdf
                          website.html
                                             csvfile.csv
                                                               globe.avi
rodriguez4@cis106-VirtualBox:~/lab4files$
```

```
rodriguez4@cis106-VirtualBox:/$ cd /usr/share/icons/default/
rodriguez4@cis106-VirtualBox:/usr/s
                                          hare/icons/default$ cd /proc/sys/ipv4
pash: cd: /proc/sys/ipv4: No such file or directory
rodriguez4@cis106-VirtualBox:/usr/share/icons/default$ cd /proc/
 rodriguez4@cis106-VirtualBox:/proc$ ls
                                                                                                     schedstat
                                                                   bootconfig
                                                                                     kallsyms
                                                                   buddyinfo
                                                                                     kcore
                                                                                     keys
                                                                                                     slabinfo
                                                                                     key-users
                                                                                                     softirqs
                                                                   cgroups
                                                                   cmdline
                                                                                     kmsg
                                                                                                      stat
                                                                   consoles
                                                                                     kpagecgroup
                                                                                                      swaps
                                                                   couinfo
                                                                                     kpagecount
                                                                                     kpageflags
                                                                                                      sysrq-trigger
                                                                   crypto
                                                                                     loadavg
                                                                   devices
                                                                   diskstats
                                                                                     locks
                                                                                                      thread-self
                                                                                                     timer_list
                                                                   dma
                                                                                     mdstat
                                                                                     meminfo
                                                                                     misc
                                                                                                     uptime
                                                                   execdomains
                                                                                     modules
                                                                                                     version
                                                                                                     version_signature
                                                                   filesystems
                                                                                     mtrr
                                                                                                     vmallocinfo
                                                                                     net
                                                                                                     vmstat
                                                                                     pagetypeinfo zoneinfo
                                                                   interrupts
                                                                                     partitions
                                                                   iomem
                                                                   ioports
 rodriguez4@cis106-VirtualBox:/proc$ cd sys
rodriguez4@cis106-VirtualBox:/proc/sys$ cd ipv4
pash: cd: ipv4: No such file or directory
rodriguez4@cis106-VirtualBox:/proc/sys$ cd Ipv4
bash: cd: Ipv4: No such file or directory
rodriguez4@cis106-VirtualBox:/proc/sys$ cd ipv4
bash: cd: ipv4: No such file or directory
 rodriguez4@cis106-VirtualBox:/proc/sys$
 rodriguez4@cis106-VirtualBox:/proc/sys$ ls
rodriguez4@cis106-VirtualBox:/proc/sys$ cd net
rodriguez4@cis106-VirtualBox:/proc/sys/net$ cd ipv4
rodriguez4@cis106-VirtualBox:/proc/sys/net/ipv4$ cd ../
rodriguez4@cis106-VirtualBox:/proc/sys/net$ ls /usr/share/backgrounds/
  odriguez4@cis106-VirtualBox:/proc/sys/net$ ls /usr/share/backgrounds/
                                                      jj_light_by_Hiking93.jpg
Mirror_by_Uday_Nakade.jpg
Optical_Fibers_in_Dark_by_Elena_Stravoravdi.jpg
ubuntu2_by_arman1992.jpg
 lue_flower_by_Elena_Stravoravdi.jpg
 anvas_by_roytanck.jpg
 herry_Tree_in_Lakones_by_elenastravoravdi.jpg
JSC2943_by_kcpru.jpg ubuntu_by
Jammy-Jellyfish_WP_4096x2304_Grey.png ubuntu-de
jj_dark_by_Hiking93.jpg warty-fin
jrodriguez4@cis106-VirtualBox:/proc/sys/net$ ls ~/cis106/
                                                      ubuntu_by_arman1992.jpg
ubuntu-default-greyscale-wallpaper.png
                                                       warty-final-ubuntu.png
                          resume_submission.pdf
                                                                            what_is_ubuntu_submission.md what_is_ubuntu_submission.pdf
                          'Screenshot from 2023-10-11 19-28-38.png'
 resume_submission.md
 rodriguez4@cis106-VirtualBox:/proc/sys/net$ ls ~/Downloads/
 rodriguez4@cis106-VirtualBox:/proc/sys/net$ cd ~
 rodriguez4@cis106-VirtualBox:~$ ls Downloads/
```

```
ammy-Jellyfish_WP_4096x2304_Grey.png
                                                     ubuntu-default-greyscale-wallpaper.png
j_dark_by_Hiking93.jpg
                                                     warty-final-ubuntu.png
rodriguez4@cis106-VirtualBox:/proc/sys/net$ ls ~/cis106/
                                                                           what_is_ubuntu_submission.md
                          resume_submission.pdf
                         'Screenshot from 2023-10-11 19-28-38.png'
                                                                           what is ubuntu submission.pdf
resume_submission.md
rodriguez4@cis106-VirtualBox:/proc/sys/net$ ls ~/Downloads/
Linux Workshop Ubuntu Software installation cheat sheet.png'
rodriguez4@cis106-VirtualBox:/proc/sys/net$ cd ~
rodriguez4@cis106-VirtualBox:~$ ls Downloads/
rodriguez4@cis106-VirtualBox:~$ cd /dev/disk/by-id/
rodriguez4@cis106-VirtualBox:/dev/disk/by-id$ ls -la
otal 0
|rwxr-xr-x 2 root root 140 Oct 24 16:05
rwxr-xr-x 7 root root 140 Oct 24 16:05
rwxrwxrwx 1 root root
                          9 Oct 24 16:05 ata-VBOX_CD-ROM_VB2-01700376 -> .../../sr0
                          9 Oct 24 16:05 ata-VBOX_HARDDISK_VBa9d42bb1-830b4208 -> ../../sda
rwxrwxrwx 1 root root
rwxrwxrwx 1 root root 10 Oct 24 16:05 ata-VBOX_HARDDISK_VBa9d42bb1-830b4208-part1 -> ../../sda1
.rwxrwxrwx 1 root root 10 Oct 24 16:05 ata-VBOX_HARDDISK_VBa9d42bb1-830b4208-part2 -> ../../sda2
.rwxrwxrwx 1 root root 10 Oct 24 16:05 ata-VBOX_HARDDISK_VBa9d42bb1-830b4208-part3 -> ../../sda3
irodriguez4@cis106-VirtualBox:/dev/disk/by-id$ ls-t /usr/share/themes
s-t: command not found
rodriguez4@cis106-VirtualBox:/dev/disk/by-id$ ls -t /usr/share/themes
rodriguez4@cis106-VirtualBox:/dev/disk/by-id$ ls -X /usr/share/themes
rodriguez4@cis106-VirtualBox:/dev/disk/by-id$
```

Question 5

```
jrodriguez4@cis106-VirtualBox:/dev/disk/by-id$ cd ../../../
jrodriguez4@cis106-VirtualBox:/$ cd home
jrodriguez4@cis106-VirtualBox:/home$ cd jrodriguez4/
jrodriguez4@cis106-VirtualBox:~$ cd Downloads/
jrodriguez4@cis106-VirtualBox:~/Downloads$ pwd
/home/jrodriguez4/Downloads
jrodriguez4@cis106-VirtualBox:~/Downloads$
```

```
jrodriguez4@cis106-VirtualBox:/dev/disk/by-id$ cd ../../.
jrodriguez4@cis106-VirtualBox:/$ pwd
/
jrodriguez4@cis106-VirtualBox:/home$ cd jrodriguez4/
jrodriguez4@cis106-VirtualBox:~$ cd Downloads/
jrodriguez4@cis106-VirtualBox:~/Downloads$ pwd
/home/jrodriguez4/Downloads
jrodriguez4@cis106-VirtualBox:~/Downloads$ cd /usr/share/themes/Adwaita
jrodriguez4@cis106-VirtualBox:/usr/share/themes/Adwaita$ cd /home/jrodriguez4/Documents/
jrodriguez4@cis106-VirtualBox:~/Documents$ pwd
/home/jrodriguez4/Documents
jrodriguez4@cis106-VirtualBox:~/Documents$
```