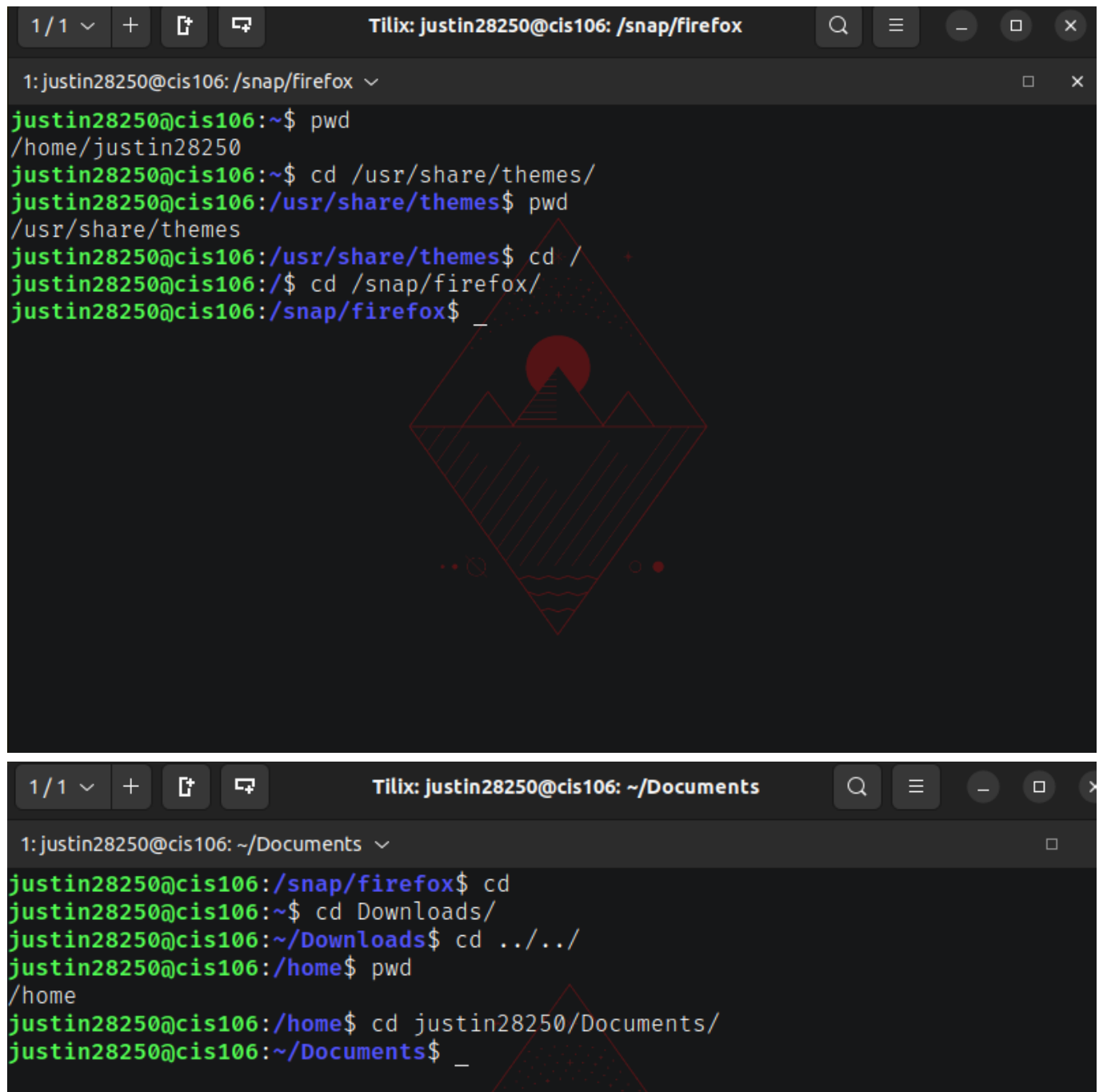


Lab 4 the Linux FS

Question 1



The image shows two screenshots of a terminal window. The top screenshot shows a user navigating from their home directory to /usr/share/themes and then to /snap/firefox. The bottom screenshot shows the user navigating from /snap/firefox back to their home directory, then to ~/Downloads, and finally to ~/Documents.

```
1/1 v + [ ] [ ] Tilix: justin28250@cis106: /snap/firefox
1: justin28250@cis106: /snap/firefox v
justin28250@cis106:~$ pwd
/home/justin28250
justin28250@cis106:~$ cd /usr/share/themes/
justin28250@cis106:/usr/share/themes$ pwd
/usr/share/themes
justin28250@cis106:/usr/share/themes$ cd /
justin28250@cis106:/$ cd /snap/firefox/
justin28250@cis106:/snap/firefox$ _
```

```
1/1 v + [ ] [ ] Tilix: justin28250@cis106: ~/Documents
1: justin28250@cis106: ~/Documents v
justin28250@cis106:/snap/firefox$ cd
justin28250@cis106:~$ cd Downloads/
justin28250@cis106:~/Downloads$ cd ../../
justin28250@cis106:/home$ pwd
/home
justin28250@cis106:/home$ cd justin28250/Documents/
justin28250@cis106:~/Documents$ _
```

Question 2

```
1/1  +  [ ] [ ] Tilix: Justin28250@cis106: ~/lab4files

1: justin28250@cis106: ~/lab4files
justin28250@cis106:~/Documents$ cd /usr/share/
justin28250@cis106:/usr/share$ ls /home/justin28250/lab4files/
countries.json  document.docx  helloWorld.c  sample.xls  Ubuntu.pdf
csvfile.csv     globe.avi      Linux.pdf     Tux.png     website.html
justin28250@cis106:/usr/share$ cd ~/lab4files/
justin28250@cis106:~/lab4files$ ls -l
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 countries.json
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 document.docx
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 globe.avi
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 sample.xls
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 Tux.png
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 website.html
justin28250@cis106:~/lab4files$ ls -lh
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 countries.json
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 document.docx
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 globe.avi
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 sample.xls
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 Tux.png
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 justin28250 justin28250 4096 Feb 22 2022 website.html
```

```
justin28250@cis106:~/lab4files$ ls -lhS
-rw-rw-r-- 1 justin28250 justin28250 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 justin28250 justin28250 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 justin28250 justin28250 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 justin28250 justin28250 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 justin28250 justin28250 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 justin28250 justin28250 135K Feb 22 2022 website.html
-rw-rw-r-- 1 justin28250 justin28250 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 justin28250 justin28250 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 justin28250 justin28250 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 justin28250 justin28250 76 Feb 22 2022 helloWorld.c
justin28250@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
justin28250@cis106:~/lab4files$ ls -lhSgGi
total 6.5M
1704569 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
1704573 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
```

```
1704579 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
1704581 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
1704577 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
1704587 -rw-rw-r-- 1 135K Feb 22 2022 website.html
1704571 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
1704575 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
1704585 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
1704583 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c

justin28250@cis106:~/lab4files$ ls -Xr
sample.xls  Ubuntu.pdf  countries.json  document.docx  helloWorld.c
Tux.png    Linux.pdf   website.html    csvfile.csv    globe.avi
justin28250@cis106:~/lab4files$ ls -Xr1
sample.xls
Tux.png
Ubuntu.pdf
Linux.pdf
countries.json
website.html
document.docx
csvfile.csv
helloWorld.c
globe.avi
justin28250@cis106:~/lab4files$ _
```

Question 4

Question 5

```
2 / 2  +  [ ]  [ ]  
1:justin28250@cis106: ~/Downloads  v  
justin28250@cis106:~$ cd /  
justin28250@cis106:/$ cd home  
justin28250@cis106:~/home$ cd justin28250/  
justin28250@cis106:~$ cd Downloads/  
justin28250@cis106:~/Downloads$ pwd  
/home/justin28250/Downloads  
justin28250@cis106:~/Downloads$ _
```

```
justin28250@cis106:~/Downloads$ cd /usr/share/themes/Adwaita/  
justin28250@cis106:/usr/share/themes/Adwaita$ cd ~/Documents/  
justin28250@cis106:~/Documents$ pwd  
/home/justin28250/Documents  
justin28250@cis106:~/Documents$ _
```