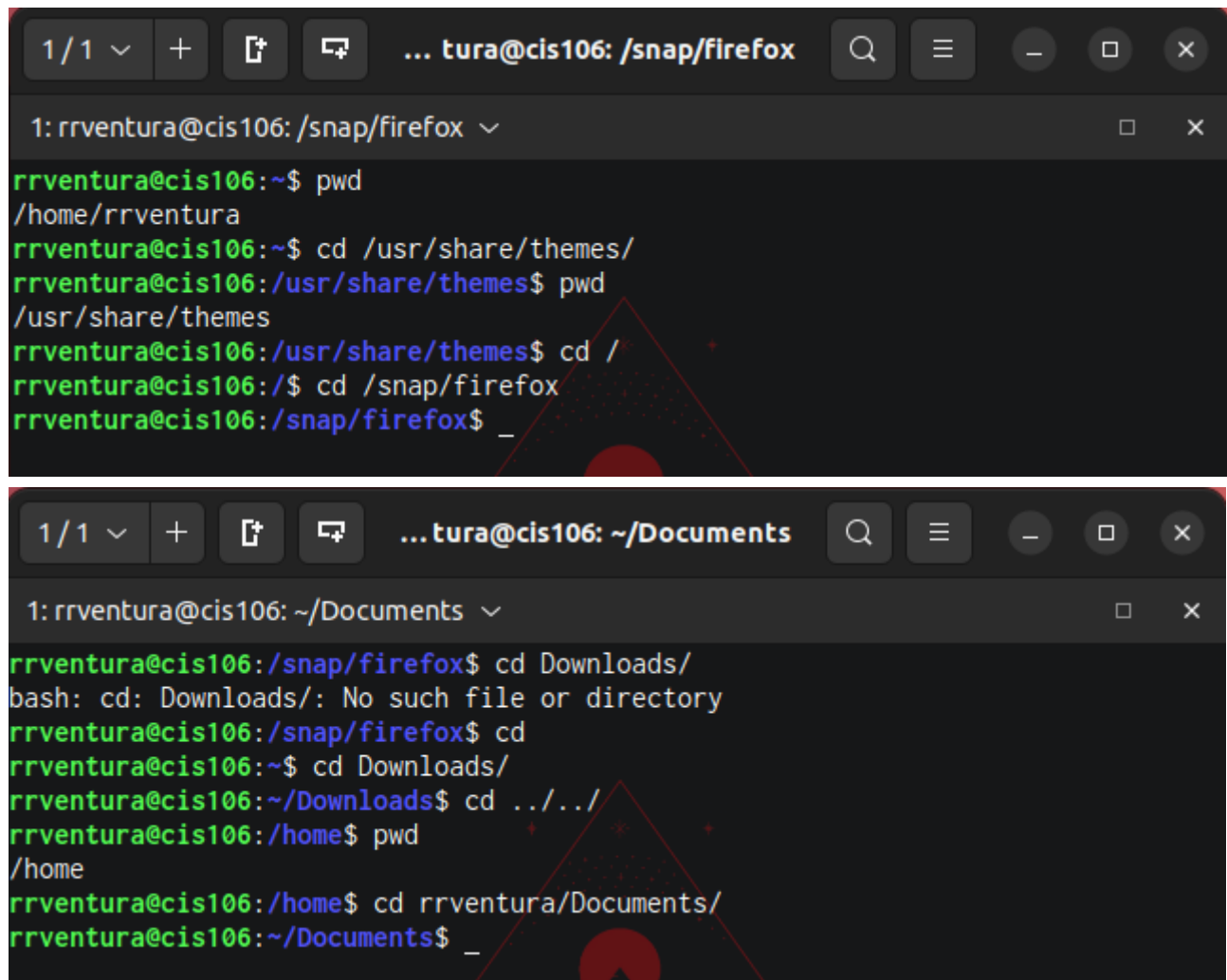


lab 4 The linux FS

Question 1



The image shows two terminal windows. The first window shows a user navigating from their home directory to /usr/share/themes and then to /snap/firefox. The second window shows the user attempting to navigate to a Downloads directory, failing, and then navigating to the Documents directory.

```
1 / 1  +  ... tura@cis106: /snap/firefox  🔍  ☰  -  □  ×  
1: rrventura@cis106: /snap/firefox  ▢  ×  
rrventura@cis106:~$ pwd  
/home/rrventura  
rrventura@cis106:~$ cd /usr/share/themes/  
rrventura@cis106:/usr/share/themes$ pwd  
/usr/share/themes  
rrventura@cis106:/usr/share/themes$ cd /  
rrventura@cis106:/$ cd /snap/firefox  
rrventura@cis106:/snap/firefox$ _  
  
1 / 1  +  ... tura@cis106: ~/Documents  🔍  ☰  -  □  ×  
1: rrventura@cis106: ~/Documents  ▢  ×  
rrventura@cis106:/snap/firefox$ cd Downloads/  
bash: cd: Downloads/: No such file or directory  
rrventura@cis106:/snap/firefox$ cd  
rrventura@cis106:~$ cd Downloads/  
rrventura@cis106:~/Downloads$ cd ../../  
rrventura@cis106:/home$ pwd  
/home  
rrventura@cis106:/home$ cd rrventura/Documents/  
rrventura@cis106:~/Documents$ _
```

Question 2

```

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

```

```

rrventura@cis106:~/lab4files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 rrventura rrventura 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 rrventura rrventura 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 rrventura rrventura 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 rrventura rrventura 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 rrventura rrventura 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 rrventura rrventura 135K Feb 22 2022 website.html
-rw-rw-r-- 1 rrventura rrventura 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 rrventura rrventura 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 rrventura rrventura 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 rrventura rrventura 76 Feb 22 2022 helloWorld.c
rrventura@cis106:~/lab4files$ ls -lhSg_
ls: invalid option -- '_'
Try 'ls --help' for more information.
rrventura@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
rrventura@cis106:~/lab4files$ ls -lhSgGi
total 6.5M
570253 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
570255 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
570258 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
570259 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
570257 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
570262 -rw-rw-r-- 1 135K Feb 22 2022 website.html
570254 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png

```

```

570256 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
570261 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
570260 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c

rrventura@cis106:~/lab4files$ ls -xr
website.html  Ubuntu.pdf  Tux.png  sample.xls  Linux.pdf  helloWorld.c  globe.avi  document.docx  csvfile.csv
countries.json
rrventura@cis106:~/lab4files$ ls -xr1
website.html
Ubuntu.pdf
Tux.png
sample.xls
Linux.pdf
helloWorld.c
globe.avi
document.docx
csvfile.csv
countries.json
rrventura@cis106:~/lab4files$

```

Question 4

```

rrventura@cis106:~$ cd
rrventura@cis106:~$ cd /usr/local/lib
rrventura@cis106:/usr/local/lib$ pwd
/usr/local/lib
rrventura@cis106:/usr/local/lib$ /home/rrventura/
bash: /home/rrventura/: Is a directory
rrventura@cis106:/usr/local/lib$ ls
python3.10
rrventura@cis106:/usr/local/lib$ ls -l
python3.10
rrventura@cis106:/usr/local/lib$ ls -l
total 4
drwxr-xr-x 3 root root 4096 Aug 9 2022 python3.10
rrventura@cis106:/usr/local/lib$ /home/file/cis106
bash: /home/file/cis106: No such file or directory
rrventura@cis106:/usr/local/lib$ /usr/share/backgrounds
bash: /usr/share/backgrounds: No such file or directory
rrventura@cis106:/usr/local/lib$ ls /Downloads
ls: cannot access '/Downloads': No such file or directory
rrventura@cis106:/usr/local/lib$ ls Downloads
ls: cannot access 'Downloads': No such file or directory
rrventura@cis106:/usr/local/lib$ ls Downloads/
ls: cannot access 'Downloads/': No such file or directory
rrventura@cis106:/usr/local/lib$ share/themes
bash: share/themes: No such file or directory
rrventura@cis106:/usr/local/lib$ ls share/themes
ls: cannot access 'share/themes': No such file or directory
rrventura@cis106:/usr/local/lib$ _

```

Question 5

```
rrventura@cis106:~$ sudo cd
[sudo] password for rrventura:
sudo: cd: command not found
sudo: "cd" is a shell built-in command, it cannot be run directly.
sudo: the -s option may be used to run a privileged shell.
sudo: the -D option may be used to run a command in a specific directory.
rrventura@cis106:~$ sudo ./Downloads/my.sh
sudo: ./Downloads/my.sh: command not found
rrventura@cis106:~$ sudo ./files.sh
sudo: ./files.sh: command not found
rrventura@cis106:~$ sudo su
root@cis106:/home/rrventura# ./usr/arghadip/downloads/files.sh
bash: ./usr/arghadip/downloads/files.sh: No such file or directory
root@cis106:/home/rrventura# _
```