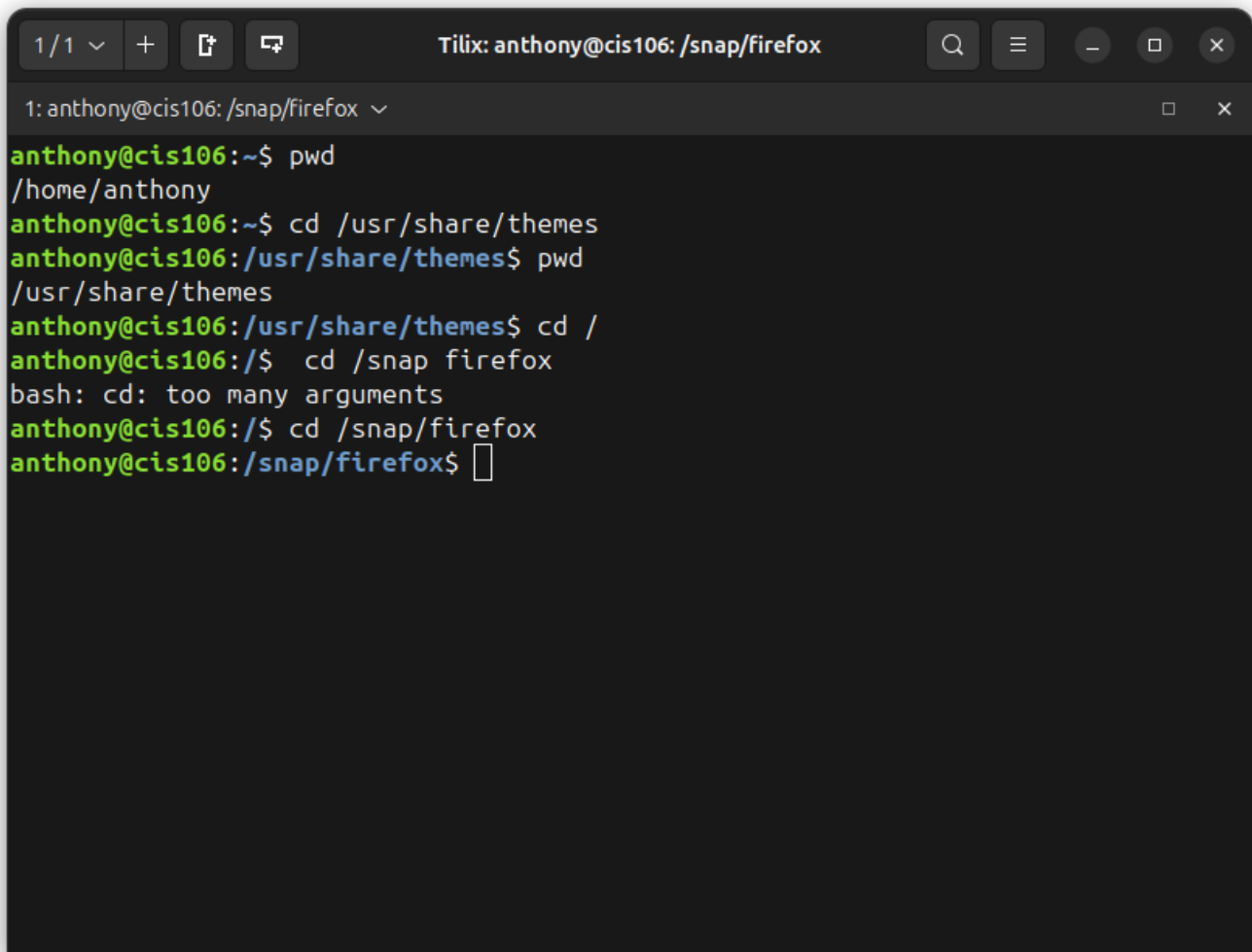
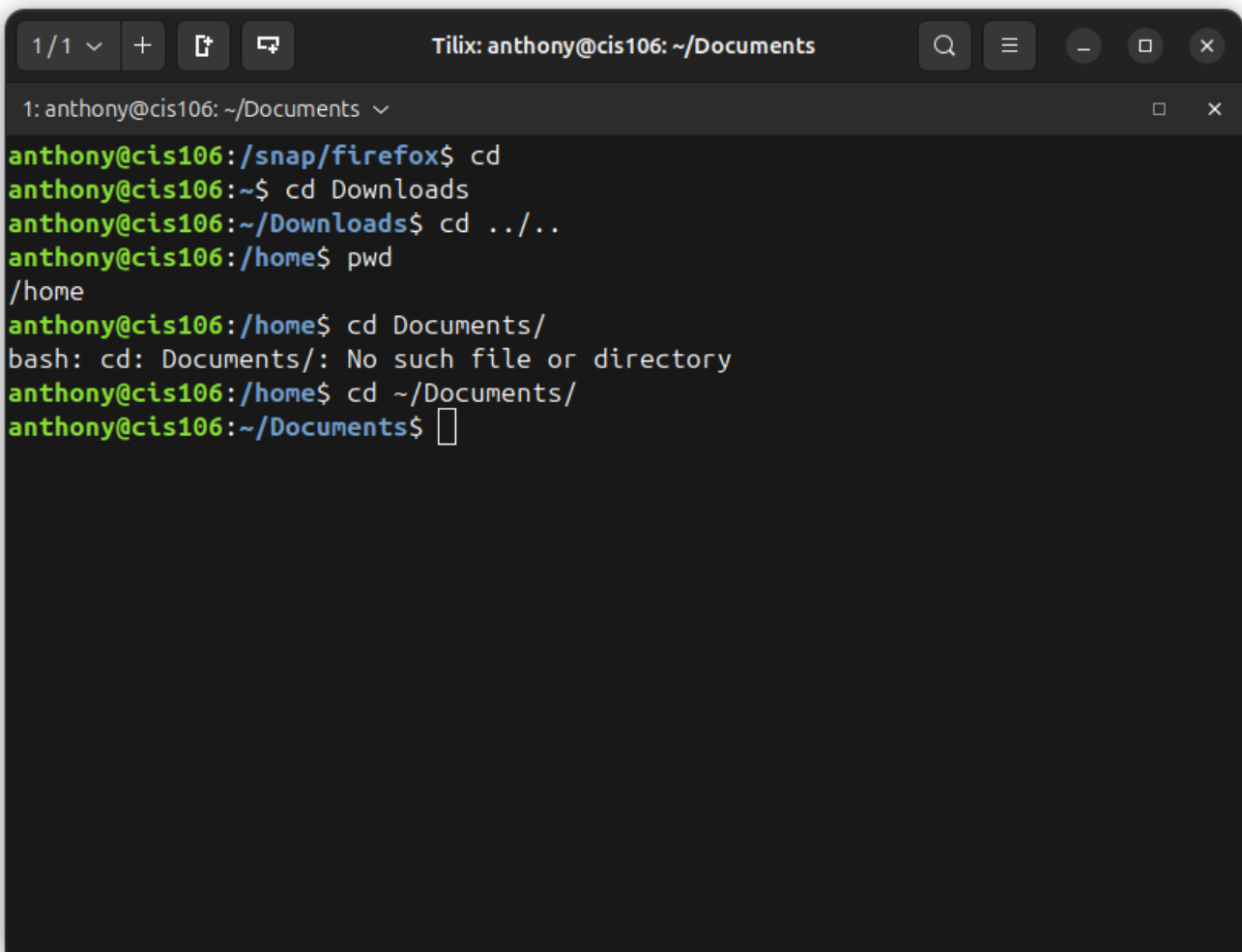


Lab 4 Submission

Question 1



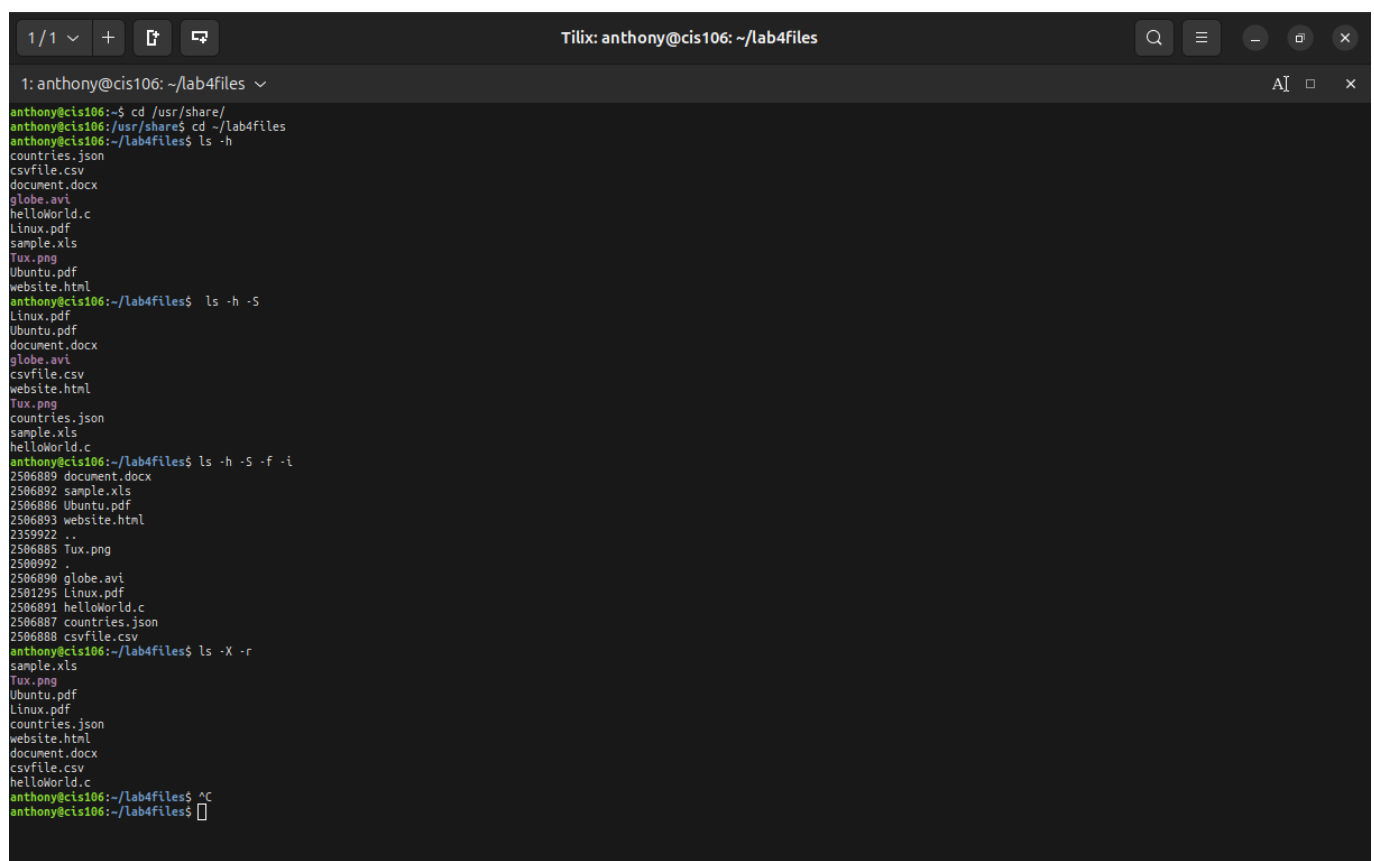
```
1/1  +  [Share] [Copy]  Tilix: anthony@cis106: /snap/firefox  [Search] [Menu] [Zoom Out] [Zoom In] [Close]
1: anthony@cis106: /snap/firefox  [Close]
anthony@cis106:~$ pwd
/home/anthony
anthony@cis106:~$ cd /usr/share/themes
anthony@cis106:/usr/share/themes$ pwd
/usr/share/themes
anthony@cis106:/usr/share/themes$ cd /
anthony@cis106:/$  cd /snap firefox
bash: cd: too many arguments
anthony@cis106:/$ cd /snap/firefox
anthony@cis106:/snap/firefox$
```



A terminal window titled "Tilix: anthony@cis106: ~/Documents". The prompt is "1: anthony@cis106: ~/Documents". The user enters a series of commands to navigate through the file system: first to /snap/firefox, then to Downloads, then to the parent directory, then to /home, and finally to Documents/. The last command results in an error message: "bash: cd: Documents/: No such file or directory".

```
1: anthony@cis106: ~/Documents
anthony@cis106:/snap/firefox$ cd
anthony@cis106:~$ cd Downloads
anthony@cis106:~/Downloads$ cd ../../
anthony@cis106:/home$ pwd
/home
anthony@cis106:/home$ cd Documents/
bash: cd: Documents/: No such file or directory
anthony@cis106:/home$ cd ~/Documents/
anthony@cis106:~/Documents$
```

Question 2



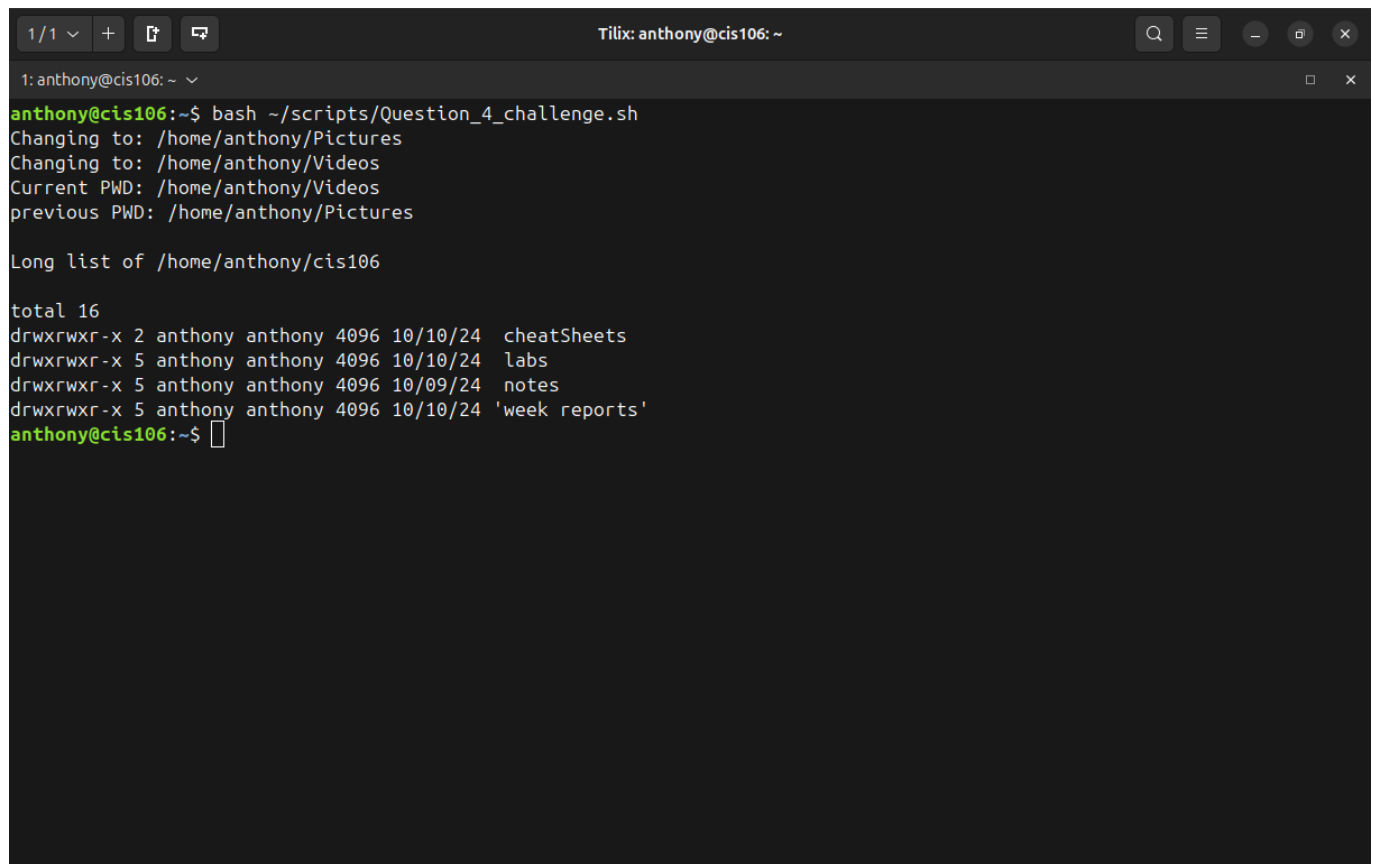
A terminal window titled "Tilix: anthony@cis106: ~/lab4files". The prompt is "1: anthony@cis106: ~/lab4files". The user enters several commands to list files in the directory: first with a tilde (~), then with -h, then with -h -S, then with -h -S -f -i, and finally with -X -r. The output shows the files listed in various formats: simple names, with human-readable file sizes, sorted by size, with permissions, and with long options.

```
1: anthony@cis106: ~/lab4files
anthony@cis106:~$ cd /usr/share/
anthony@cis106:/usr/share$ cd ~/lab4files
anthony@cis106:~/lab4files$ ls -h
countries.json
csvfile.csv
document.docx
globe.avi
helloWorld.c
Linux.pdf
sample.xls
Tux.png
Ubuntu.pdf
website.html
anthony@cis106:~/lab4files$ ls -h -S
Linux.pdf
Ubuntu.pdf
document.docx
globe.avi
csvfile.csv
website.html
Tux.png
countries.json
sample.xls
helloWorld.c
anthony@cis106:~/lab4files$ ls -h -S -f -i
2506889 document.docx
2506892 sample.xls
2506886 Ubuntu.pdf
2506893 website.html
2359922 ..
2506885 Tux.png
2506892 .
2506890 globe.avi
2501295 Linux.pdf
2506891 helloWorld.c
2506887 countries.json
2506888 csvfile.csv
anthony@cis106:~/lab4files$ ls -X -r
sample.xls
Tux.png
Ubuntu.pdf
Linux.pdf
countries.json
website.html
document.docx
csvfile.csv
helloWorld.c
anthony@cis106:~/lab4files$ ^C
anthony@cis106:~/lab4files$
```

Question 3

![[q3]][q3.png]

Challenge Question



```
1/1  +  [f] [c]  Tilix: anthony@cis106: ~  [Q] [≡] [–] [□] [X]
1: anthony@cis106: ~  v
anthony@cis106:~$ bash ~/scripts/Question_4_challenge.sh
Changing to: /home/anthony/Pictures
Changing to: /home/anthony/Videos
Current PWD: /home/anthony/Videos
previous PWD: /home/anthony/Pictures

Long list of /home/anthony/cis106

total 16
drwxrwxr-x 2 anthony anthony 4096 10/10/24  cheatSheets
drwxrwxr-x 5 anthony anthony 4096 10/10/24  labs
drwxrwxr-x 5 anthony anthony 4096 10/09/24  notes
drwxrwxr-x 5 anthony anthony 4096 10/10/24  'week reports'
anthony@cis106:~$
```

Script Source code:

[\(lab4\)\(challenge-lab4.sh\)](#)