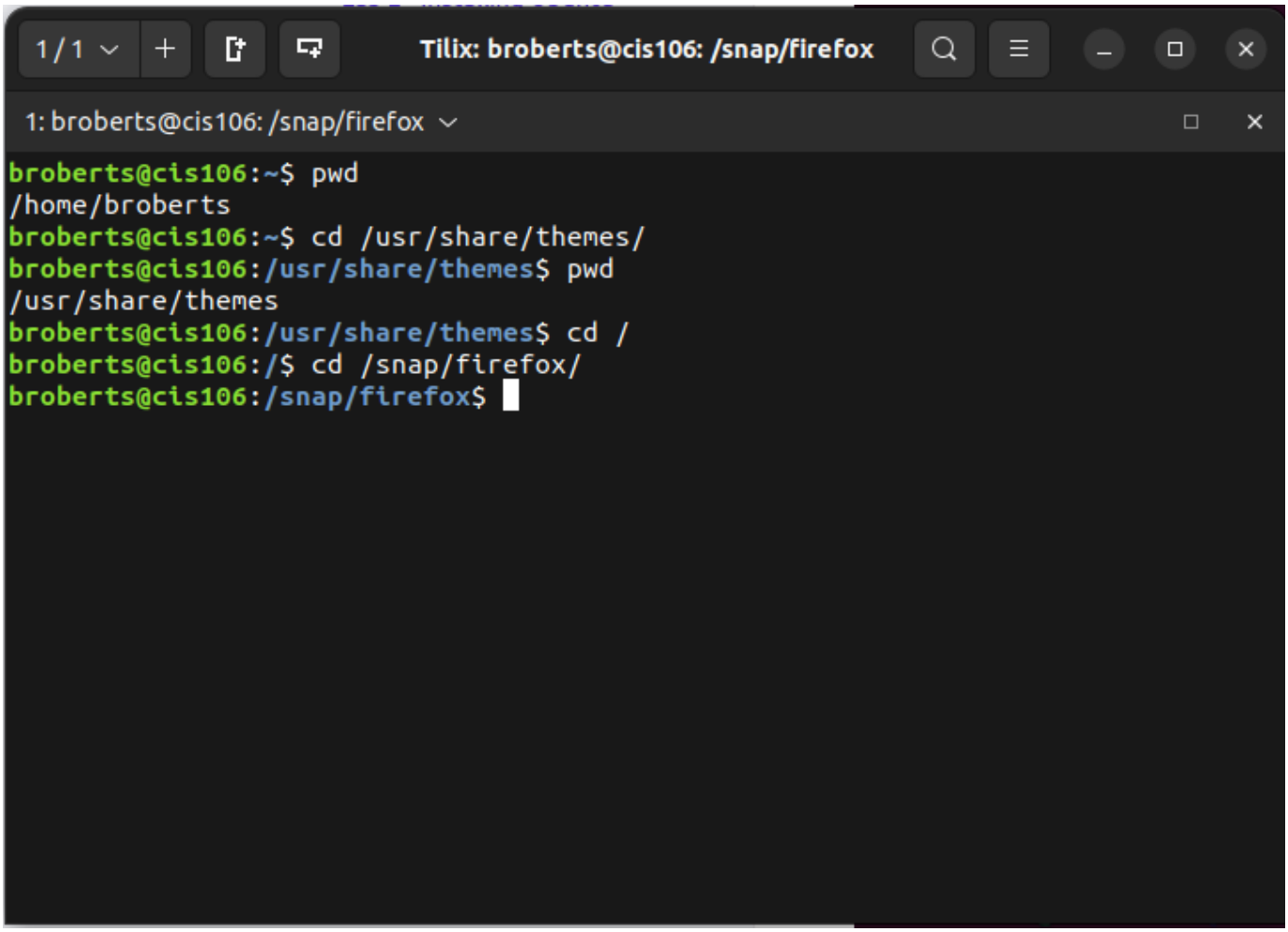
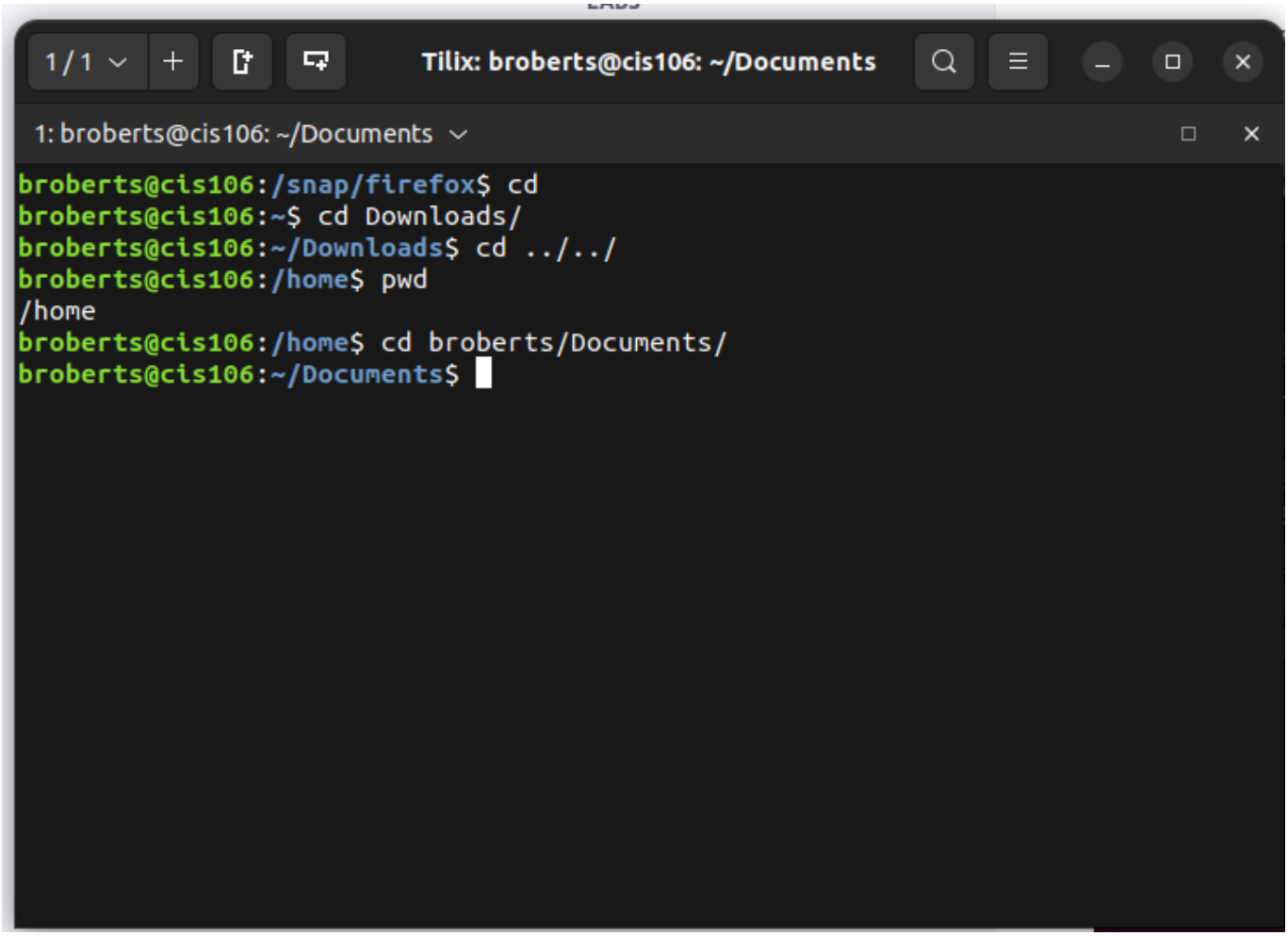
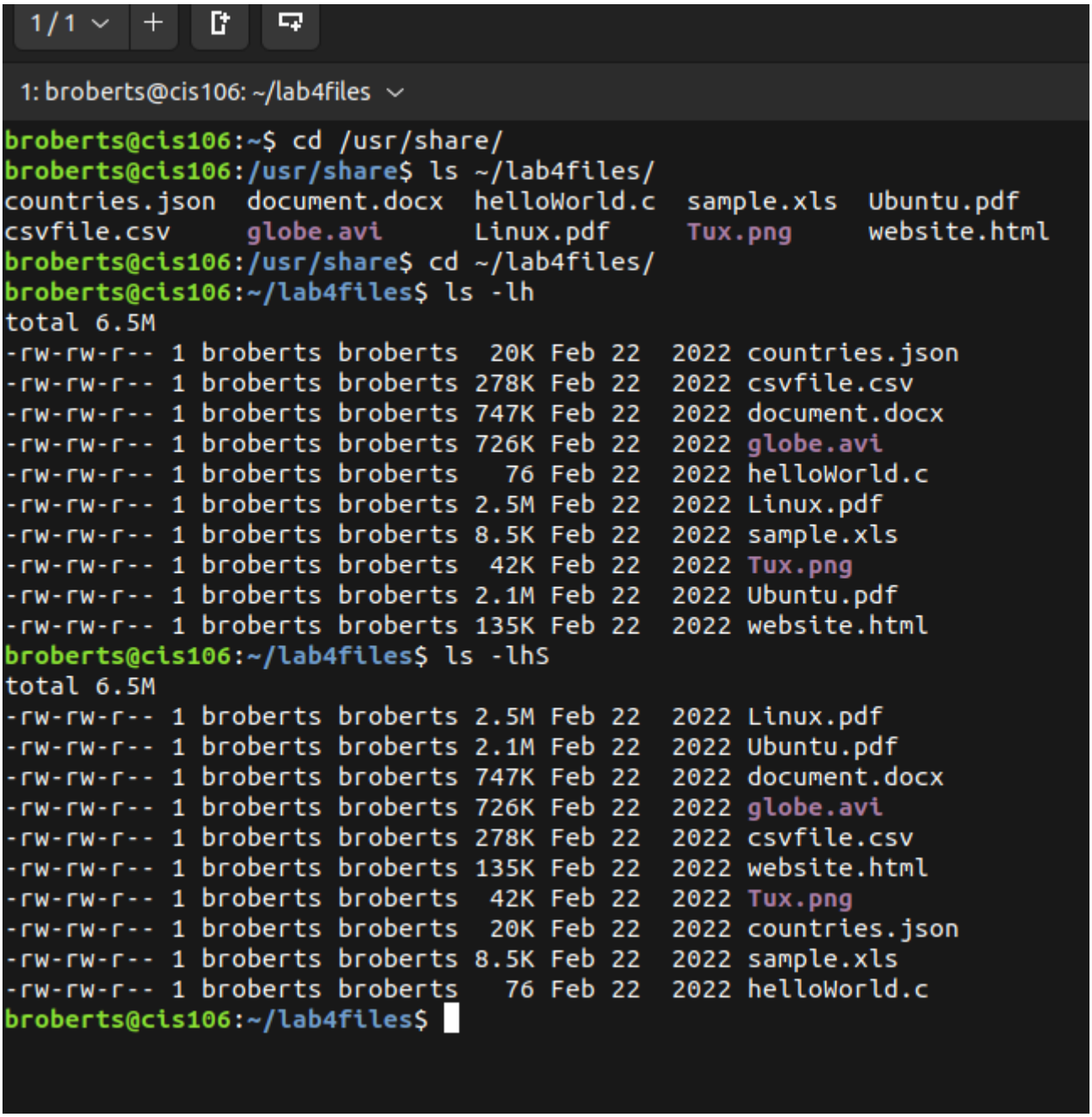
Lab 4

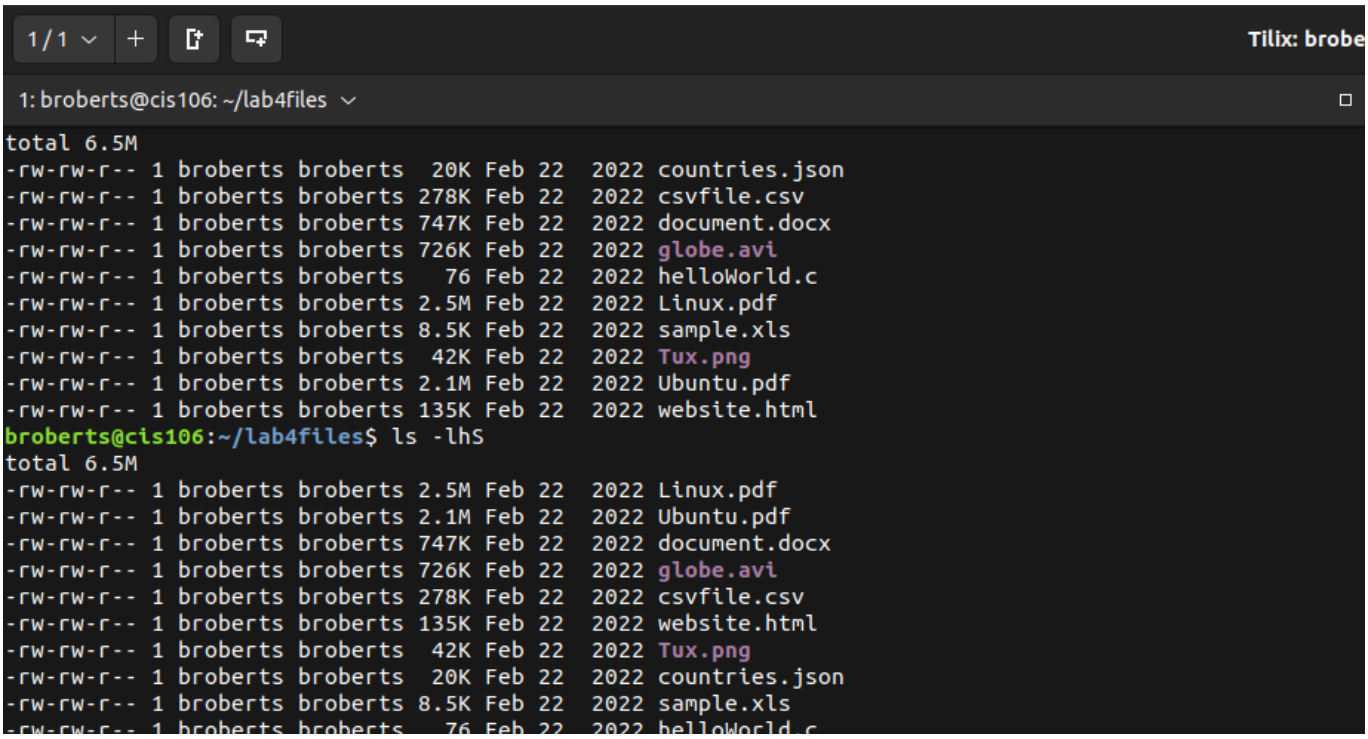
Question 1

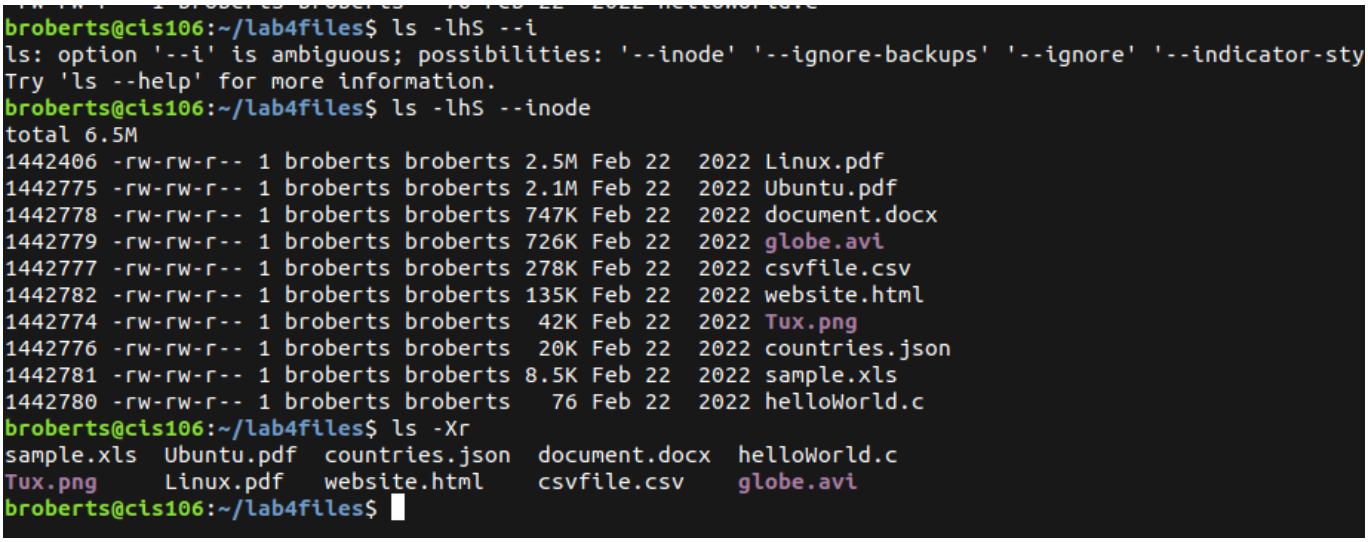

1 / 1
Tilix: broberts@cis106: /snap/firefox
1: broberts@cis106: /snap/firefox
broberts@cis106:~$ pwd
/home/broberts
broberts@cis106:~$ cd /usr/share/themes/
broberts@cis106:/usr/share/themes$ pwd
/usr/share/themes
broberts@cis106:/usr/share/themes$ cd /
broberts@cis106:/$ cd /snap/firefox/
broberts@cis106:/snap/firefox$


1 / 1
Tilix: broberts@cis106: ~/Documents
1: broberts@cis106: ~/Documents
broberts@cis106:/snap/firefox$ cd
broberts@cis106:~$ cd Downloads/
broberts@cis106:~/Downloads$ cd ../../
broberts@cis106:/home$ pwd
/home
broberts@cis106:/home$ cd broberts/Documents/
broberts@cis106:~/Documents$

Question 2


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


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


broberts@cis106:~/lab4files$ ls -lhS --i
ls: option '--i' is ambiguous; possibilities: '--inode' '--ignore-backups' '--ignore' '--indicator-sty
Try 'ls --help' for more information.
broberts@cis106:~/lab4files$ ls -lhS --inode
total 6.5M
1442406 -rw-rw-r-- 1 broberts broberts 2.5M Feb 22 2022 Linux.pdf
1442775 -rw-rw-r-- 1 broberts broberts 2.1M Feb 22 2022 Ubuntu.pdf
1442778 -rw-rw-r-- 1 broberts broberts 747K Feb 22 2022 document.docx
1442779 -rw-rw-r-- 1 broberts broberts 726K Feb 22 2022 globe.avi
1442777 -rw-rw-r-- 1 broberts broberts 278K Feb 22 2022 csvfile.csv
1442782 -rw-rw-r-- 1 broberts broberts 135K Feb 22 2022 website.html
1442774 -rw-rw-r-- 1 broberts broberts 42K Feb 22 2022 Tux.png
1442776 -rw-rw-r-- 1 broberts broberts 20K Feb 22 2022 countries.json
1442781 -rw-rw-r-- 1 broberts broberts 8.5K Feb 22 2022 sample.xls
1442780 -rw-rw-r-- 1 broberts broberts 76 Feb 22 2022 helloWorld.c
broberts@cis106:~/lab4files$ ls -Xr
sample.xls Ubuntu.pdf countries.json document.docx helloWorld.c
Tux.png Linux.pdf website.html csvfile.csv globe.avi
broberts@cis106:~/lab4files$

Question 3

```
broberts@cis106:~$ cd scripts/
broberts@cis106:~/scripts$ bash lab4_script_og.sh
The current user is broberts. It's home directory is /home/broberts
The current directory:
/home/broberts/Downloads
The current directory:
/home/broberts/cis106
msg2 /home/broberts
bin, boot, cdrom, dev, etc, home, lib, lib32, lib64, libx32, lost+found, media,
mnt, opt, proc, root, run, sbin, snap, srv, swapfile, sys, tmp, usr, var

All files (including hidden files) in. /home/broberts
.bash_history, .bash_logout, .bashrc, .cache, cis106, .config, Desktop, .dmrc,
Documents, .dotnet, Downloads, .gitconfig, .gnupg, lab4files, .lesshst, .local,
Music, Pictures, .pki, practicels, practicels.tar.xz, .profile, Public, scripts,
script.sh, snap, .ssh, .sudo_as_admin_successful, Templates,
.vboxclient-clipboard-tty2-control.pid, .vboxclient-clipboard-tty7-control.pid,
.vboxclient-clipboard-tty7-service.pid,
.vboxclient-draganddrop-tty2-control.pid,
.vboxclient-draganddrop-tty7-control.pid,
.vboxclient-draganddrop-tty7-service.pid,
.vboxclient-hostversion-tty2-control.pid,
.vboxclient-hostversion-tty7-control.pid, .vboxclient-seamless-tty2-control.pid,
.vboxclient-seamless-tty7-control.pid, .vboxclient-seamless-tty7-service.pid,
.vboxclient-vmsvga-session-tty2-control.pid,
.vboxclient-vmsvga-session-tty7-control.pid,
.vboxclient-vmsvga-session-tty7-service.pid, Videos, .vscode, website,
.Xauthority, .xsession-errors, .xsession-errors.old

All files (including hidden files) in. /home/broberts/Downloads
code_1.86.1-1707298119_amd64.deb, code_1.86.2-1707854558_amd64.deb,
lab4files.zip, lab4_script.sh

All files (including hidden files) in. /home/broberts/cis106
cheatSheets, finalProject, .git, labs, notes, weekReports
broberts@cis106:~/scripts$
```

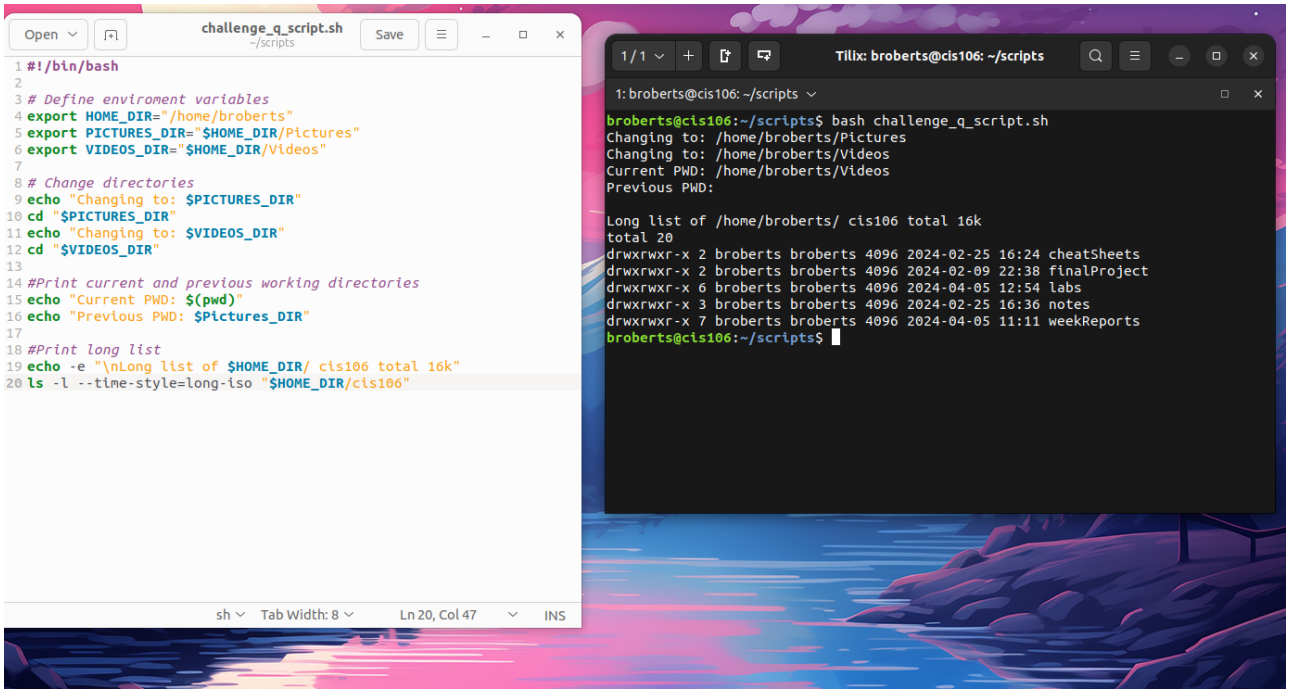
Open | lab4_script_og.sh ~/scripts | Save

```
1  #!/bin/bash
2  down="$HOME/Downloads"
3  cis="$HOME/cis106"
4  msg1="The current directory:"
5  msg2="\nAll files (including hidden files) in".
6
7  echo "The current user is $USER. It's home directory is $HOME"
8  cd $down
9  echo $msg1
10 pwd
11 cd $cis
12 echo $msg1
13 pwd
14
15 echo -e "msg2 $HOME"
16 ls -mA --color=auto /
17
18 echo -e "$msg2 $HOME"
19 ls -mA --color=auto $HOME
20
21 echo -e "$msg2 $down"
```

```
ls -mA --color=auto $down

echo -e "$msg2 $cis"
ls -mA --color=auto $cis
```

sh Tab Width: 8 Ln 17, Col 1 INS

Question 4 (Challenge question)

- Script Source Code