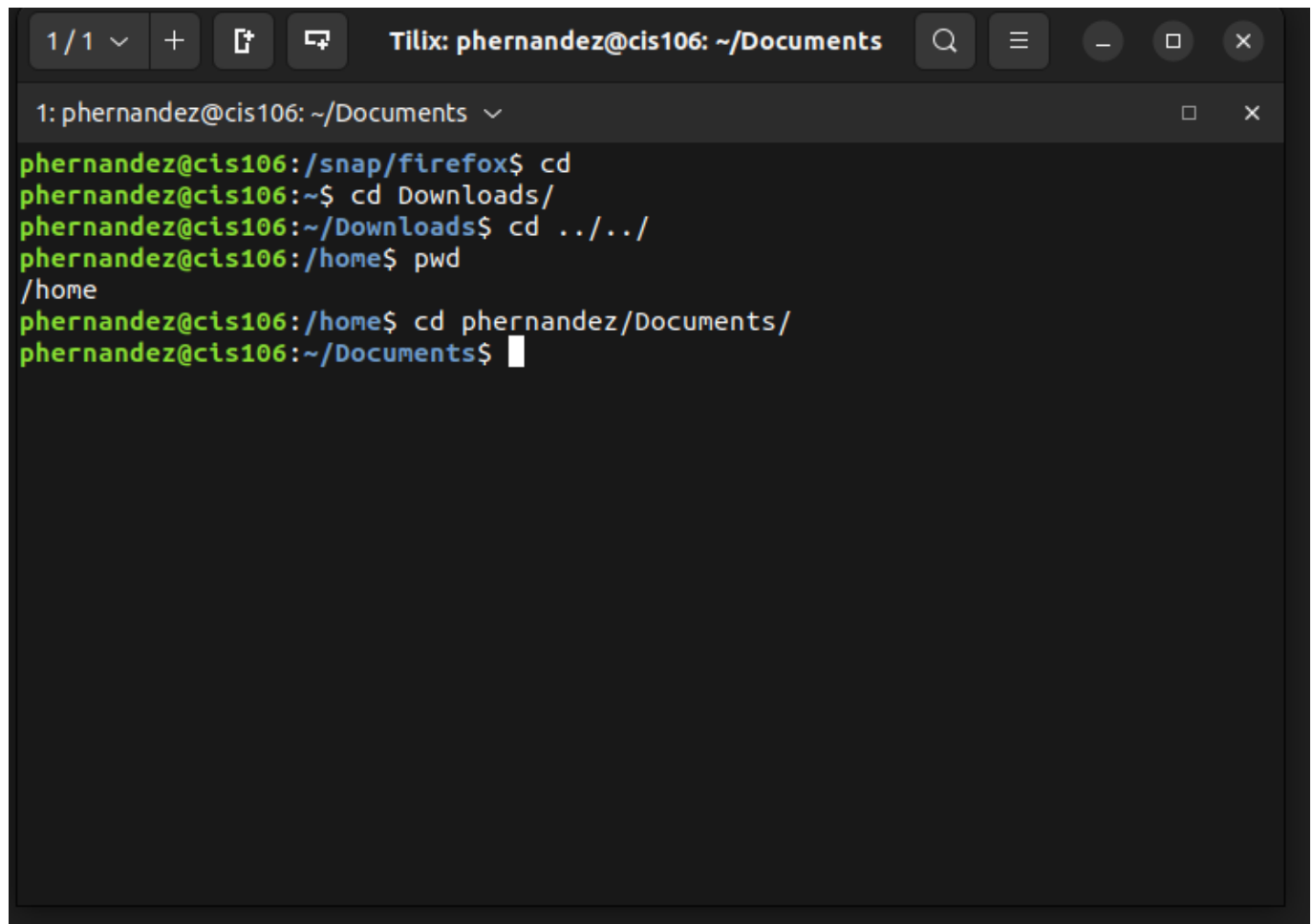


Lab 4

Question 1



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

Question 2

```

1:phernandez@cis106: ~/lab4files
phernandez@cis106:~$ cd /usr/share/
phernandez@cis106:~$ cd /usr/share$ ls -la /lab4files/
countries.json  csvfile.csv  document.docx  globe.avi  helloWorld.c  Linux.pdf  sample.xls  Tux.png  Ubuntu.pdf  website.html
phernandez@cis106:~$ cd /lab4files/
phernandez@cis106:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 phernandez phernandez 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 phernandez phernandez 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 phernandez phernandez 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 phernandez phernandez 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 phernandez phernandez 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 phernandez phernandez 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 phernandez phernandez 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 phernandez phernandez 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 phernandez phernandez 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 phernandez phernandez 135K Feb 22 2022 website.html
phernandez@cis106:~/lab4files$ ls -lht
total 6.5M
-rw-rw-r-- 1 phernandez phernandez 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 phernandez phernandez 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 phernandez phernandez 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 phernandez phernandez 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 phernandez phernandez 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 phernandez phernandez 135K Feb 22 2022 website.html
-rw-rw-r-- 1 phernandez phernandez 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 phernandez phernandez 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 phernandez phernandez 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 phernandez phernandez 76 Feb 22 2022 helloWorld.c
phernandez@cis106:~/lab4files$ ls -lhtSglt
total 6.5M
2401338 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
2401340 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
2401344 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
2402089 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
2401343 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
2402273 -rw-rw-r-- 1 135K Feb 22 2022 website.html
2401339 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
2401341 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
2402272 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
2402200 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
phernandez@cis106:~/lab4files$ ls --file-type -r
website.html  Tux.png  Linux.pdf  globe.avi  csvfile.csv
Ubuntu.pdf    sample.xls  helloWorld.c  document.docx  countries.json
phernandez@cis106:~/lab4files$

```

Question 3

```

1#!/bin/bash
2down="$HOME/Downloads"
3cis="$HOME/cis106"
4msg1="The current dictionary is:"
5msg2="\nAll files (including hidden files) in"
6
7echo "The current user is $USER. It's home dictionary is $HOME"
8cd $down
9echo $msg1
10pwd
11cd $cis
12echo $msg1
13pwd
14
15echo -e "$msg2 /\n"
16ls -mA --color=auto /
17
18echo -e "$msg2 $HOME"
19ls -mA --color=auto $HOME
20
21echo -e "$msg2 $down"
22ls -mA --color=auto $down
23|
24echo -e "$msg2 $cis"
25ls -mA --color=auto $cis
26
27

```

```

phernandez@cis106:~/scripts$ bash lab4_script_og.sh
The current user is phernandez. It's home dictionary is /home/phernandez
The current dictionary is:
/home/phernandez/Downloads
The current dictionary is:
/home/phernandez/cis106

All files (including hidden files) in /
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/phernandez
.bash_history, .bash_logout, .bashrc, .cache, cis106, .config, Desktop, Documents, .dotnet, Downloads, .fontconfig, .gitconfig, .gnupg, lab4files, .lessht, .local, Music,
Pictures, .pkt, .profile, Public, scripts, script.sh, snap, .ssh, .sudo_as_admin_successful, Templates, .vboxclient-clipboard-tty2-control.pid,
.vboxclient-clipboard-tty2-service.pid, .vboxclient-draganddrop-tty2-control.pid, .vboxclient-draganddrop-tty2-service.pid, .vboxclient-hostversion-tty2-control.pid,
.vboxclient-seamless-tty2-control.pid, .vboxclient-seamless-tty2-service.pid, .vboxclient-vmsvga-session-tty2-control.pid, .vboxclient-vmsvga-session-tty2-service.pid,
Videos, .vscode

All files (including hidden files) in /home/phernandez/Downloads
code_1.86.0-1706698139_amd64.deb, FlatHub.Flatpakrepo, notes1_original.pdf

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

```

Question 4 (challenge question)

- Script Source Code

```
1#!/bin/bash
2cis=$HOME/cis106
3picture=$HOME/Pictures
4video=$HOME/Videos
5msg1="Long list of"
6
7cd $picture
8echo -n "Changing to:"
9pwd
10cd $video
11echo -n "Changing to:"
12pwd
13echo -n "Current PWD:"
14pwd
15echo -n "Previous PWD:"
16cd -
17cd $cis
18echo " "
19echo "$msg1 $cis"
20ls -lhSGg --time-style=+%D
21
```

```
total 20K
drwxrwxr-x 2 4.0K 02/26/24 cheatSheet
drwxrwxr-x 2 4.0K 02/06/24 finalProject
drwxrwxr-x 6 4.0K 03/15/24 labs
drwxrwxr-x 4 4.0K 03/15/24 notes
drwxrwxr-x 6 4.0K 03/13/24 weekReports
phernandez@cis106:~/scripts$ bash challenge_lab4.sh
Changing to:/home/phernandez/Pictures
Changing to:/home/phernandez/Videos
Current PWD:/home/phernandez/Videos
Previous PWD:/home/phernandez/Pictures

Long list of /home/phernandez/cis106
total 20K
drwxrwxr-x 2 4.0K 02/26/24 cheatSheet
drwxrwxr-x 2 4.0K 02/06/24 finalProject
drwxrwxr-x 6 4.0K 03/15/24 labs
drwxrwxr-x 4 4.0K 03/15/24 notes
drwxrwxr-x 6 4.0K 03/13/24 weekReports
phernandez@cis106:~/scripts$
```

- Terminal