

Lab 4 Submission

Question 1

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

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

Question 2

```
1/1 v + | Ttl: tyoung@cis106 ~/lab4files
tyoung@cis106:~/lab4files$ cd /usr/share
tyoung@cis106:~/lab4files$ ls -l /lab4files/
countfile.json  document.docx  helloWorld.c  sample.xls  Ubuntu.pdf
csvfile.csv     globe.avi      Linux.pdf     Tux.png     website.html
tyoung@cis106:~/lab4files$ cd - /lab4files/
tyoung@cis106:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 tyoung tyoung 28K Feb 22 2022 countries.json
-rw-rw-r-- 1 tyoung tyoung 218K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 tyoung tyoung 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 tyoung tyoung 720K Feb 22 2022 globe.avi
-rw-rw-r-- 1 tyoung tyoung 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 tyoung tyoung 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 tyoung tyoung 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 tyoung tyoung 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 tyoung tyoung 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 tyoung tyoung 135K Feb 22 2022 website.html
tyoung@cis106:~/lab4files$ ls -lhs
total 6.5M
-rw-rw-r-- 1 tyoung tyoung 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 tyoung tyoung 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 tyoung tyoung 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 tyoung tyoung 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 tyoung tyoung 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 tyoung tyoung 135K Feb 22 2022 website.html
-rw-rw-r-- 1 tyoung tyoung 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 tyoung tyoung 28K Feb 22 2022 countries.json
-rw-rw-r-- 1 tyoung tyoung 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 tyoung tyoung 76 Feb 22 2022 helloWorld.c
tyoung@cis106:~/lab4files$ ls -lhG5 -l
total 6.5M
822136 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
822139 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
822155 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
822181 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
822154 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
822184 -rw-rw-r-- 1 135K Feb 22 2022 website.html
822137 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
822153 -rw-rw-r-- 1 28K Feb 22 2022 countries.json
822183 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
822182 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
tyoung@cis106:~/lab4files$ ls -s -r
total 6580
130 website.html      12 sample.xls      728 globe.avi      20 countries.json
2088 Ubuntu.pdf      2548 Linux.pdf    748 document.docx
44 Tux.png           4 helloWorld.c    280 csvfile.csv
tyoung@cis106:~/lab4files$
```

Question 3

```

1: tjyoung@cis106: ~ ▾

The current user is tjyoung. It's home directory is /home/tjyoung
The current directory is:
/home/tjyoung/Downloads
The current directory is:
/home/tjyoung/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

/:
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/tjyoung
assets, .bash_history, .bash_logout, .bashrc, .cache, cars, cis106, .config,
Desktop, Documents, Documents, .dotnet, Downloads, .fontconfig, games,
.gitconfig, github.commands.txt, .gnupg, home, lab4files, .lessht, .local,
.mozilla, Music, mv, Pictures, .pki, practicels, practicels.tar.xz, .profile,
Public, scripts, script.sh, snap, .ssh, .sudo_as_admin_successful, Templates,
.thunderbird, '~touch', TrevorYoungCS, v10, v8,
.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-vmvga-session-tty2-control.pid,
.vboxclient-vmvga-session-tty2-service.pid, Videos, .vscode, wallpapers,
website, 'website assets', 'website audio', 'website imgs', 'website video',
wildcardpractice
All files (including hidden files in) down
code_1.86.0-1706698139_amd64.deb, Food, lab4files.zip,
'~lock.Test 1 - Study Guide ( Intro to Bus).pptx#', pizza.txt,
'receipt-24SP-CIS-106-CE2-Lab 2 - Installing Ubuntu.txt',
'receipt-24SP-CIS-106-CE2-Lab 3.txt', receipt-24SP-CIS-106-CE2-mkdir.txt,
'receipt-24SP-CIS-106-CE2-Navigating the file system.txt',
'receipt-24SP-CIS-106-CE2-Notes 1 Dropbox.txt',
'receipt-24SP-CIS-106-CE2-Week Report 2.txt',
'receipt-24SP-CIS-106-CE2-Week Report 3.txt',
'receipt-24SP-CIS-106-CE2-Week Report 4.txt',
'Test 1 - Study Guide ( Intro to Bus).pptx', wr4.md

All files (including hidden files in) /home/tjyoung/cis106
challengequestion, cheatSheets, class-practice2.png.png, classpractice3.sh,
class-practice.png, finalproject, .git, labs, notes, practice3.png,
practice-class2.png.png, practice-class.png, weekReports
tjyoung@cis106:~$

```

```

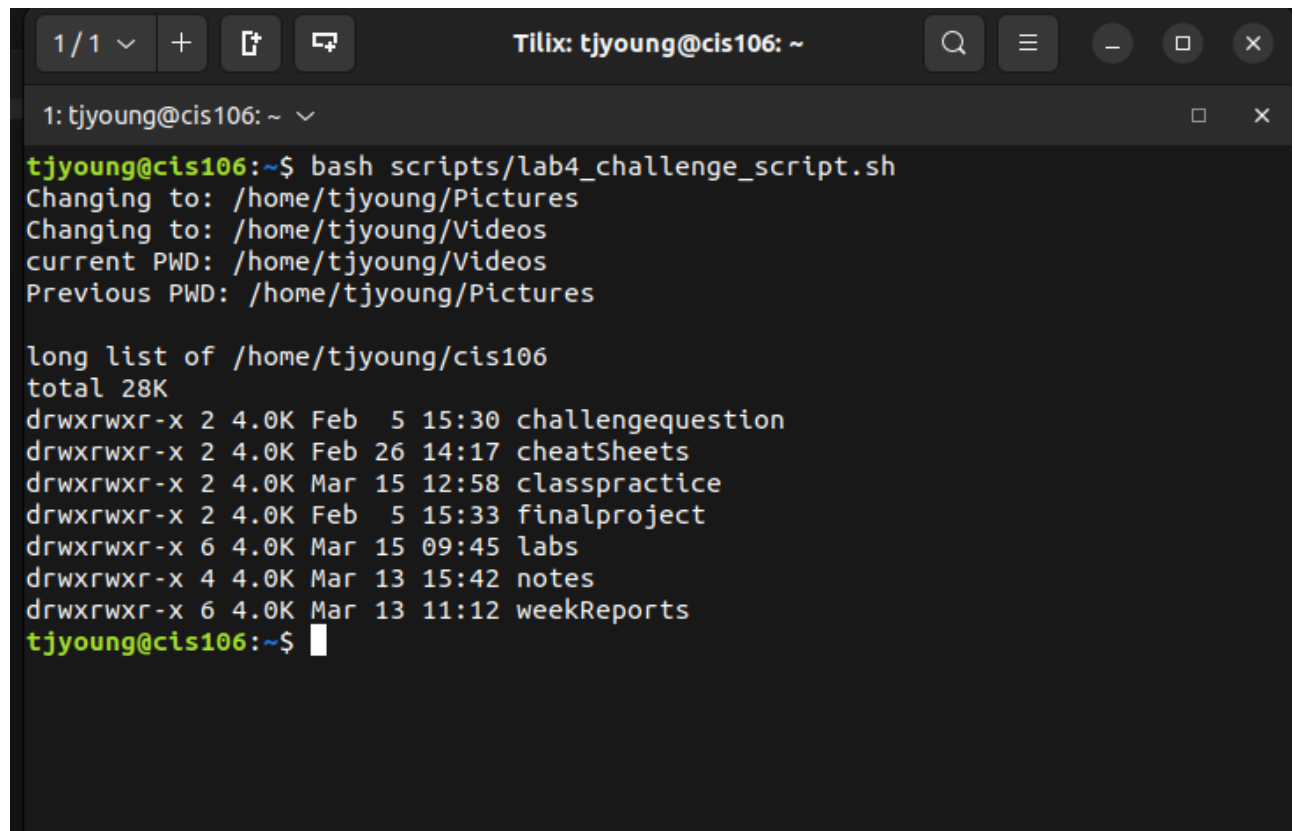
1 #!/bin/bash
2 down="$HOME/Downloads"
3
4 echo "The current user is $USER. It's home directory is $HOME"
5 cd $down
6 echo "The current directory is:"
7 pwd
8 cd $HOME/cis106
9 echo "The current directory is:"
10 pwd
11 echo " "
12 echo "All files (including hidden files in) /"
13 ls -mA / --color=auto /
14

```

```
5 echo " "
6 echo "All files (including hidden files in) $HOME"
7 ls -mA --color=auto $HOME
8
9 echo "All files (including hidden files in) down"
0 ls -mA --color=auto $down
1
2 echo " "
3 echo "All files (including hidden files in) $HOME/cis106"
4 ls -mA --color=auto $HOME/cis106
5
```

Script Source code:

- [source code](#)



The screenshot shows a terminal window titled "Tilix: tjyoung@cis106: ~". The terminal output shows the execution of a script named "scripts/lab4_challenge_script.sh". The script changes the directory to "/home/tjyoung/Pictures", then to "/home/tjyoung/Videos", and displays the current and previous PWD. It then lists the contents of "/home/tjyoung/cis106", showing a total of 28K and a list of files with their permissions, sizes, and timestamps. The terminal prompt is "tjyoung@cis106:~\$".

```
1: tjyoung@cis106: ~
tjyoung@cis106:~$ bash scripts/lab4_challenge_script.sh
Changing to: /home/tjyoung/Pictures
Changing to: /home/tjyoung/Videos
current PWD: /home/tjyoung/Videos
Previous PWD: /home/tjyoung/Pictures

long list of /home/tjyoung/cis106
total 28K
drwxrwxr-x 2 4.0K Feb  5 15:30 challengequestion
drwxrwxr-x 2 4.0K Feb 26 14:17 cheatSheets
drwxrwxr-x 2 4.0K Mar 15 12:58 classpractice
drwxrwxr-x 2 4.0K Feb  5 15:33 finalproject
drwxrwxr-x 6 4.0K Mar 15 09:45 labs
drwxrwxr-x 4 4.0K Mar 13 15:42 notes
drwxrwxr-x 6 4.0K Mar 13 11:12 weekReports
tjyoung@cis106:~$
```