

Lab 4

Question 1

```
1 / 1 ▼ + [ ] [ ] Tilix: mjrodriguez@cis106: /snap/firefox
1: mjrodriguez@cis106: /snap/firefox ▼
mjrodriguez@cis106:~$ pwd
/home/mjrodriguez
mjrodriguez@cis106:~$ cd /usr/share/themes/
mjrodriguez@cis106:/usr/share/themes$ pwd
/usr/share/themes
mjrodriguez@cis106:/usr/share/themes$ cd /
mjrodriguez@cis106:/$ cd /snap/firefox/
mjrodriguez@cis106:/snap/firefox$
```

```
1 / 1 ▼ + [ ] [ ] Tilix: mjrodriguez@cis106: ~/Documents
1: mjrodriguez@cis106: ~/Documents ▼
mjrodriguez@cis106:/snap/firefox$ cd
mjrodriguez@cis106:~$ cd Downloads/
mjrodriguez@cis106:~/Downloads$ cd ../../
mjrodriguez@cis106:/home$ pwd
/home
mjrodriguez@cis106:/home$ cd mjrodriguez/Documents
mjrodriguez@cis106:~/Documents$
```

Question 2

```
Tilix: mjrodriguez@cis106: ~/lab4files
2: mjrodriguez@cis106: ~/lab4files ▾
mjrodriguez@cis106:~$ cd /usr/share/
mjrodriguez@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
mjrodriguez@cis106:/usr/share$ cd ~/lab4files/
mjrodriguez@cis106:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 mjrodriguez mjrodriguez 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 mjrodriguez mjrodriguez 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 mjrodriguez mjrodriguez 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 mjrodriguez mjrodriguez 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 mjrodriguez mjrodriguez 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 mjrodriguez mjrodriguez 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 mjrodriguez mjrodriguez 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 mjrodriguez mjrodriguez 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 mjrodriguez mjrodriguez 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 mjrodriguez mjrodriguez 135K Feb 22 2022 website.html
mjrodriguez@cis106:~/lab4files$ ls -lhs
total 6.5M
-rw-rw-r-- 1 mjrodriguez mjrodriguez 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 mjrodriguez mjrodriguez 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 mjrodriguez mjrodriguez 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 mjrodriguez mjrodriguez 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 mjrodriguez mjrodriguez 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 mjrodriguez mjrodriguez 135K Feb 22 2022 website.html
-rw-rw-r-- 1 mjrodriguez mjrodriguez 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 mjrodriguez mjrodriguez 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 mjrodriguez mjrodriguez 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 mjrodriguez mjrodriguez 76 Feb 22 2022 helloWorld.c
mjrodriguez@cis106:~/lab4files$ ls -lhSgGi
total 6.5M
555410 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
555412 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
555415 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
555416 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
555414 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
555419 -rw-rw-r-- 1 135K Feb 22 2022 website.html
555411 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
555413 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
555418 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
555417 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
mjrodriguez@cis106:~/lab4files$ ls -Xr
sample.xls Linux.pdf document.docx globe.avi
Tux.png countries.json csvfile.csv
Ubuntu.pdf website.html helloWorld.c
mjrodriguez@cis106:~/lab4files$
```

Question 3

```

1/1 + [ ] [ ]
Tilix: mjrodriguez@cis106: ~/scripts

1: mjrodriguez@cis106: ~/scripts
mjrodriguez@cis106:~$ cd scripts/
mjrodriguez@cis106:~/scripts$ ls
env_var.sh hello.sh lab4_script.sh usr_var.sh
mjrodriguez@cis106:~/scripts$ bash lab4_script.sh
The current user is mjrodriguez. It's 'home directory is /home/mjrodriguez
The current directory is:
/home/mjrodriguez/Downloads
The current directory is:
/home/mjrodriguez/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/mjrodriguez
.bash_history, .bash_logout, .bashrc, .cache, cis106, .config, Desktop, .dmrc,
Documents, .dotnet, Downloads, env_var.sh, .gitconfig, .gnupg, lab4files,
.lesshst, .local, Music, Pictures, .pki, practicels, .profile, Public, scripts,
script.sh, snap, .ssh, .sudo_as_admin_successful, Templates,
'Untitled Document 1', .var, .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, .Xauthority,
.xsession-errors, .xsession-errors.old

All files (including hidden files ) in /home/mjrodriguez/Downloads
code_1.86.1-1707298119_amd64.deb, notes1_original.pdf

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

```

Question 4 (challenge question)

```

mjrodriguez@cis106:~/scripts$ bash lab-4-cq.sh
Changing to: /home/mjrodriguez/Pictures
Changing to: /home/mjrodriguez/Videos
Current PWD: /home/mjrodriguez/Videos
Previous PWD: /home/mjrodriguez/Pictures

Long list of /home/mjrodriguez/cis106
total 20K
-rw-rw-r-- 1 181 03/20/2024 env_var.sh
-rw-rw-r-- 1 96 03/02/2024 hello.sh
-rw-rw-r-- 1 269 03/20/2024 lab-4-cq.sh
-rw-rw-r-- 1 639 03/20/2024 lab4_script.sh
-rw-rw-r-- 1 533 03/20/2024 usr_var.sh
mjrodriguez@cis106:~/scripts$

```

[Script Source Code](#)