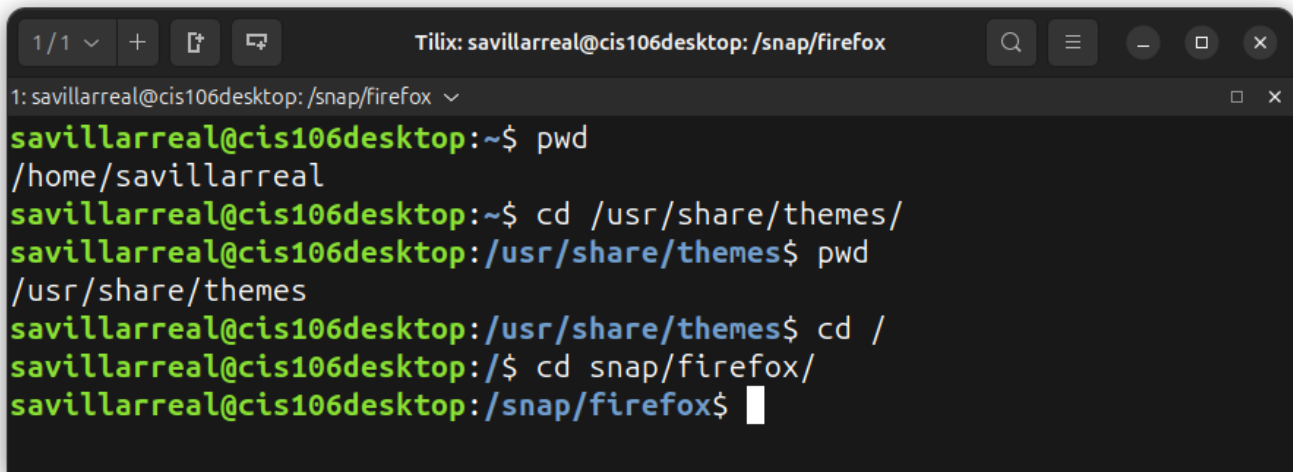


# Lab 4 Submission

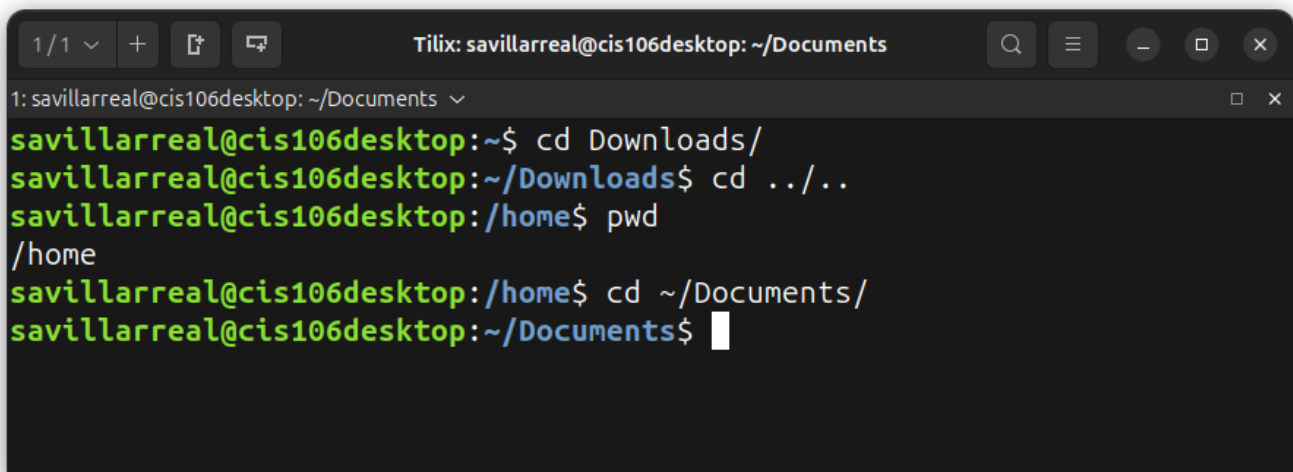
---

## Question 1



```
Tilix: savillarreal@cis106desktop: /snap/firefox
1: savillarreal@cis106desktop: /snap/firefox
savillarreal@cis106desktop:~$ pwd
/home/savillarreal
savillarreal@cis106desktop:~$ cd /usr/share/themes/
savillarreal@cis106desktop:/usr/share/themes$ pwd
/usr/share/themes
savillarreal@cis106desktop:/usr/share/themes$ cd /
savillarreal@cis106desktop:/$ cd snap/firefox/
savillarreal@cis106desktop:/snap/firefox$
```

## Question 1



```
Tilix: savillarreal@cis106desktop: ~/Documents
1: savillarreal@cis106desktop: ~/Documents
savillarreal@cis106desktop:~$ cd Downloads/
savillarreal@cis106desktop:~/Downloads$ cd ../../
savillarreal@cis106desktop:/home$ pwd
/home
savillarreal@cis106desktop:/home$ cd ~/Documents/
savillarreal@cis106desktop:~/Documents$
```

## Question 2

```

1: savillarreal@cis106desktop: ~/lab4files
savillarreal@cis106desktop:~$ cd /usr/share/; ls -a ~/lab4files/
. countries.json document.docx helloWorld.c sample.xls Ubuntu.pdf
.. csvfile.csv globe.avi Linux.pdf Tux.png website.html
savillarreal@cis106desktop:~/share$ cd ~/lab4files/; ls -lh

total 6.5M
-rw-rw-r-- 1 savillarreal savillarreal 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 savillarreal savillarreal 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 savillarreal savillarreal 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 savillarreal savillarreal 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 savillarreal savillarreal 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 savillarreal savillarreal 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 savillarreal savillarreal 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 savillarreal savillarreal 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 savillarreal savillarreal 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 savillarreal savillarreal 135K Feb 22 2022 website.html
savillarreal@cis106desktop:~/lab4files$ ls -lHSGgi
total 6.5M
1194057 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
1179802 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
1194062 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
1194063 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
1194061 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
1194066 -rw-rw-r-- 1 135K Feb 22 2022 website.html
1194059 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
1194058 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
1194065 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
1194064 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
savillarreal@cis106desktop:~/lab4files$ ls -aXr
sample.xls Ubuntu.pdf countries.json document.docx helloWorld.c ..
Tux.png Linux.pdf website.html csvfile.csv globe.avi .
savillarreal@cis106desktop:~/lab4files$

2: savillarreal@cis106desktop:~$ unzip Downloads/lab4files.zip -d ~
Archive: Downloads/lab4files.zip
creating: /home/savillarreal/lab4files/
inflating: /home/savillarreal/lab4files/Linux.pdf
inflating: /home/savillarreal/lab4files/Tux.png
inflating: /home/savillarreal/lab4files/Ubuntu.pdf
inflating: /home/savillarreal/lab4files/countries.json
inflating: /home/savillarreal/lab4files/csvfile.csv
inflating: /home/savillarreal/lab4files/document.docx
inflating: /home/savillarreal/lab4files/globe.avi
inflating: /home/savillarreal/lab4files/helloWorld.c
inflating: /home/savillarreal/lab4files/sample.xls
inflating: /home/savillarreal/lab4files/website.html
savillarreal@cis106desktop:~$

```

## Question 3

```

1: savillarreal@cis106desktop: ~
savillarreal@cis106desktop:~$ bash cis106/labs/lab4/lab4-script.sh
The current user is savillarreal. It's home directory is /home/savillarreal
The current directory is:
/home/savillarreal/Downloads
The current directory is:
/home/savillarreal/cis106

All files (including hidden files) in /
bin, bin usr-is-merged, boot, cdrom, dev, etc, home, lib, lib64, lib usr-is-merged,
lost+found, media, mnt, opt, proc, root, run, sbin, sbin usr-is-merged, snap, srv, swap,ing,
sys, usr, var

All files (including hidden files) in /home/savillarreal
.bash_history, .bash_logout, .bashrc, .bastetr, .cache, cis106, .config, Desktop,
Documents, .dotnet, Downloads, file_name.sh, .fonts, .gitconfig, .gnupg, lab4files,
.lesshst, .lgames, .librewolf, .local, Music, Pictures, .pki, practicels.tar.xz,
.profile, Public, scripts, snap, .ssh, .sudo_as_admin_successful, Templates,
.vboxclient-clipboard-tty2-control.pid, .vboxclient-clipboard-tty2-service.pid,
.vboxclient-draganddrop-tty2-control.pid, .vboxclient-hostversion-tty2-control.pid,
.vboxclient-seanless-tty2-control.pid, .vboxclient-vmsvga-session-tty2-control.pid,
.vboxclient-vmsvga-session-tty2-service.pid, Videos, .viminfo, .vscode, .wget-hsts

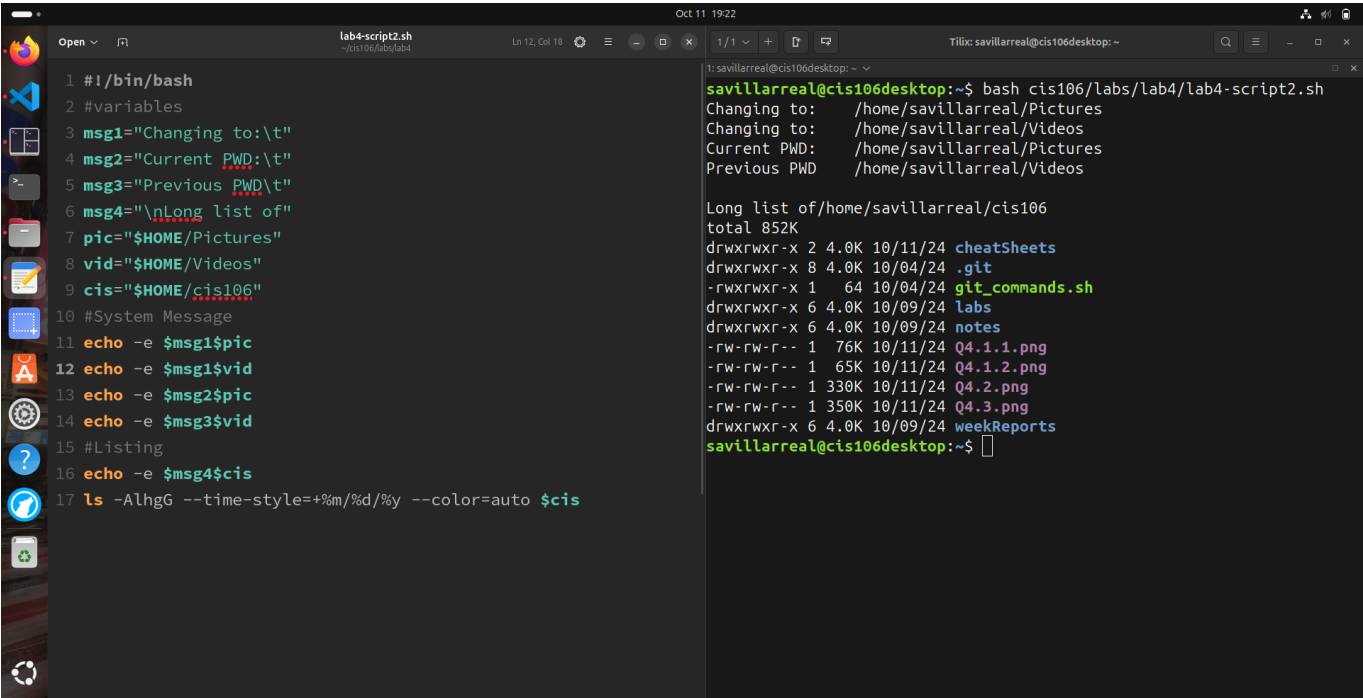
All files (including hidden files) in /home/savillarreal/Downloads
code_1.94.0-1727878498_and64.deb, lab4files.zip, lab4_script.sh, Screenshot1.png,
Screenshot2.png, Screenshot3.png, Screenshot4.2.png, SourceCodePro.zip

All files (including hidden files) in /home/savillarreal/cis106
cheatSheets, .git, git_commands.sh, labs, notes, Q4.1.1.png, Q4.1.2.png, Q4.2.png,
weekReports
savillarreal@cis106desktop:~$

lab4-script.sh
1 #!/bin/bash
2 #Variables
3 dwnld="$HOME/Downloads"
4 cis="$HOME/cis106"
5 msg1="The current directory is:\n"
6 msg2="\nAll files (including hidden files) in"
7 #Welcome
8 echo "The current user is $USER. It's home directory is $HOME"
9 echo -e $msg1$dwnld
10 echo -e $msg1$cis
11
12 #File listing
13 echo -e $msg2 /
14 ls -Am --color=auto /
15 echo -e $msg2 $HOME
16 ls -Am --color=auto $HOME
17 echo -e $msg2 $dwnld
18 ls -Am --color=auto $dwnld
19 echo -e $msg2 $cis
20 ls -Am --color=auto $cis

```

## Question 4



Script Source code:

[lab4](#)

Script 2 Source code:

[lab4](#)