

Lab 4

Question 1

```
esantos@cis106desktop: ~/Documents

esantos@cis106desktop:~$ pwd
/home/esantos
esantos@cis106desktop:~$ cd /usr/share/themes/
esantos@cis106desktop:/usr/share/themes$ pwd
/usr/share/themes
esantos@cis106desktop:/usr/share/themes$ cd /
esantos@cis106desktop:/$ cd /snap/firefox/
esantos@cis106desktop:/snap/firefox$ cd
esantos@cis106desktop:~$ cd Downloads/
esantos@cis106desktop:~/Downloads$ cd ../../
esantos@cis106desktop:/home$ pwd
/home
esantos@cis106desktop:/home$ cd ~/Documents/
esantos@cis106desktop:~/Documents$
```

Question 2

```
1/1 + [ ] [ ] Tilix: esantos@cis106desktop: ~/lab4files

1: esantos@cis106desktop: ~/lab4files

esantos@cis106desktop:~$ cd /usr/share/
esantos@cis106desktop:/usr/share$ ls ~/lab4files/
countries.json  document.docx  helloWorld.c  sample.xls  Ubuntu.pdf
csvfile.csv    globe.avi      Linux.pdf     Tux.png     website.html
esantos@cis106desktop:/usr/share$ cd ~/lab4files/
esantos@cis106desktop:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 esantos esantos 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 esantos esantos 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 esantos esantos 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 esantos esantos 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 esantos esantos 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 esantos esantos 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 esantos esantos 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 esantos esantos 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 esantos esantos 2.1M Feb 22 2022 Ubuntu.pdf
```

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-rw-rw-r-- 1 esantos esantos 135K Feb 22 2022 website.html
esantos@cis106desktop:~/lab4files$ ls -lhs
total 6.5M
-rw-rw-r-- 1 esantos esantos 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 esantos esantos 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 esantos esantos 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 esantos esantos 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 esantos esantos 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 esantos esantos 135K Feb 22 2022 website.html
-rw-rw-r-- 1 esantos esantos 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 esantos esantos 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 esantos esantos 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 esantos esantos 76 Feb 22 2022 helloWorld.c
esantos@cis106desktop:~/lab4files$ ls -lhSgGi
total 6.5M
2097507 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
2097510 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
2097514 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
2097515 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
2097512 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
2097519 -rw-rw-r-- 1 135K Feb 22 2022 website.html
2097509 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
2097511 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
2097518 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
2097517 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
esantos@cis106desktop:~/lab4files$ ls -lhSgGirX
total 6.5M
2097518 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
2097509 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
2097510 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
2097507 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
2097511 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
2097519 -rw-rw-r-- 1 135K Feb 22 2022 website.html
2097514 -rw-rw-r-- 1 747K Feb 22 2022 document.docx

```

Question 3

```

#!/bin/bash
2 down="$HOME/Downloads"
3 cis="$HOME/cis106"
4 msg1="The current directory is:"
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 /"
16 ls -lA --color=auto /
17
18 echo -e "$msg2 $HOME"
19 ls -lA --color=auto $HOME
20
21 echo -e "$msg2 $down"
22 ls -lA --color=auto $down
23
24 echo -e "$msg2 $cis"
25 ls -lA --color=auto $cis
26

```

```

t: esantos@cis106desktop: ~/Scripts
esantos@cis106desktop:~$ cd Scripts
esantos@cis106desktop:~/Scripts$ bash lab4_script.sh
The current user is esantos. It's home directory is /home/esantos
The current directory is:
/home/esantos/Downloads
The current directory is:
/home/esantos/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.img, sys, usr, var

All files (including hidden files) in /home/esantos
.bash_history, .bash_logout, .bashrc, .cache, cis106, .config, Desktop, Documents, .dotnet, Downloads, error_librewolfinstaller.log, .gitconfig,
.gnupg, lab4files, .lesshtst, .local, Music, Pictures, .pkg, .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-seamless-tty2-control.pid, .vboxclient-vmsvga-session-tty2-control.pid,
.vboxclient-vmsvga-session-tty2-service.pid, Videos, .viminfo, .vscode, .wget-hsts

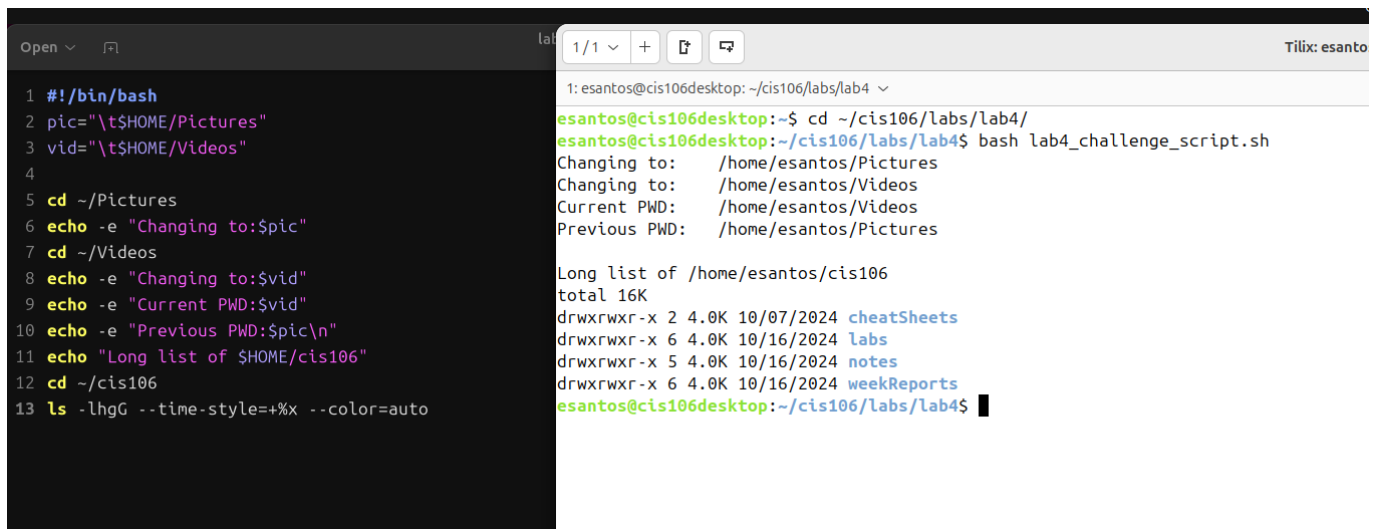
All files (including hidden files) in /home/esantos/Downloads
schoolwork

All files (including hidden files) in /home/esantos/cis106
cheatSheets, .git, labs, notes, weekReports
esantos@cis106desktop:~/Scripts$

```

Question 4 (Challenge Question)

- Script Source Code



```
1 #!/bin/bash
2 pic="\t$HOME/Pictures"
3 vid="\t$HOME/Videos"
4
5 cd ~/Pictures
6 echo -e "Changing to:$pic"
7 cd ~/Videos
8 echo -e "Changing to:$vid"
9 echo -e "Current PWD:$vid"
10 echo -e "Previous PWD:$pic\n"
11 echo "Long list of $HOME/cis106"
12 cd ~/cis106
13 ls -lhG --time-style=+%x --color=auto
```

1: esantos@cis106desktop: ~/cis106/labs/lab4

esantos@cis106desktop:~\$ cd ~/cis106/labs/lab4/
esantos@cis106desktop:~/cis106/labs/lab4\$ bash lab4_challenge_script.sh

Changing to: /home/esantos/Pictures
Changing to: /home/esantos/Videos
Current PWD: /home/esantos/Videos
Previous PWD: /home/esantos/Pictures

Long list of /home/esantos/cis106
total 16K
drwxrwxr-x 2 4.0K 10/07/2024 cheatSheets
drwxrwxr-x 6 4.0K 10/16/2024 labs
drwxrwxr-x 5 4.0K 10/16/2024 notes
drwxrwxr-x 6 4.0K 10/16/2024 weekReports
esantos@cis106desktop:~/cis106/labs/lab4\$