

Lab 4

Question 1

```
dmatos45030@cis106vm: /snap/firefox
dmatos45030@cis106vm:~$ pwd
/home/dmatos45030
dmatos45030@cis106vm:~$ cd /usr/share/themes/
dmatos45030@cis106vm:/usr/share/themes$ pwd
/usr/share/themes
dmatos45030@cis106vm:/usr/share/themes$ cd /snap/firefox/
dmatos45030@cis106vm:/snap/firefox$ pwd
/snap/firefox
dmatos45030@cis106vm:/snap/firefox$
```

```
dmatos45030@cis106vm: ~/Documents
dmatos45030@cis106vm:/snap/firefox$ cd
dmatos45030@cis106vm:~$ cd Downloads/
dmatos45030@cis106vm:~/Downloads$ cd ../../
dmatos45030@cis106vm:/home$ pwd
/home
dmatos45030@cis106vm:/home$ cd Documents/
bash: cd: Documents/: No such file or directory
dmatos45030@cis106vm:/home$ cd dmatos45030/Documents/
dmatos45030@cis106vm:~/Documents$
```

Question 2

```

dmatos45030@cis106vm: ~/lab4files
dmatos45030@cis106vm:~$ cd /usr/share/
dmatos45030@cis106vm:/usr/share$ ls ~/lab4files
countries.json  document.docx  helloWorld.c  sample.xls  Ubuntu.pdf
csvfile.csv     globe.avi      Linux.pdf     Tux.png     website.html
dmatos45030@cis106vm:/usr/share$ cd ~/lab4files
dmatos45030@cis106vm:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 dmatos45030 dmatos45030 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 dmatos45030 dmatos45030 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 dmatos45030 dmatos45030 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 dmatos45030 dmatos45030 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 dmatos45030 dmatos45030 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 dmatos45030 dmatos45030 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 dmatos45030 dmatos45030 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 dmatos45030 dmatos45030 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 dmatos45030 dmatos45030 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 dmatos45030 dmatos45030 135K Feb 22 2022 website.html
dmatos45030@cis106vm:~/lab4files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 dmatos45030 dmatos45030 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 dmatos45030 dmatos45030 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 dmatos45030 dmatos45030 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 dmatos45030 dmatos45030 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 dmatos45030 dmatos45030 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 dmatos45030 dmatos45030 135K Feb 22 2022 website.html
-rw-rw-r-- 1 dmatos45030 dmatos45030 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 dmatos45030 dmatos45030 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 dmatos45030 dmatos45030 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 dmatos45030 dmatos45030 76 Feb 22 2022 helloWorld.c
dmatos45030@cis106vm:~/lab4files$

```

Question 3

```

dmatos45030@cis106vm: ~/Scripts
dmatos45030@cis106vm:~/Scripts$ bash lab4_script.sh
The current user is dmatos45030. It's 'home directory is /home/dmatos45030
The current directory is:
/home/dmatos45030/Downloads
The current directory is:
/home/dmatos45030/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, tmp, usr, var

All files (including hidden files ) in /home/dmatos45030
.bash_history, .bash_logout, .bashrc, .bastetr, .cache, cis106, .config,
Desktop, Documents, .dotnet, Downloads, error_librewolfinstaller.log,
.gitconfig, .gnupg, lab4files, lab4files.zip, .lessht, .librewolf, .local,
Music, Pictures, .pkg, practicels, 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

All files (including hidden files ) in /home/dmatos45030/Downloads
code_1.93.1-1726079302_and64.deb, schoolwork, 'The LS command Cheat Sheet.png'

All files (including hidden files ) in /home/dmatos45030/cis106
cheatSheet, finalExam, .git, Labs, notes, WeekReports
dmatos45030@cis106vm:~/Scripts$

```

```

lab4_script.sh
~/Downloads
Ln 7, Col 2
1 #!/bin/bash
2
3 cis="$HOME/cis106"
4 downloads="$HOME/Downloads"
5 msg1="The current directory is: \t"
6 msg2="\nAll files (including hidden files ) in"
7
8 echo "The current user is $USER. It's 'home directory is $HOME"
9 cd $downloads
10 echo -e $msg1
11 pwd
12 cd $cis
13 echo -e $msg1
14 pwd
15
16 #Using ls in a script
17 echo -e "$msg2 /"
18 ls -lA --color=auto /
19
20 echo -e "$msg2 $HOME"
21 ls -lA --color=auto $HOME
22
23 echo -e "$msg2 $downloads"
24 ls -lA --color=auto $downloads
25
26 echo -e "$msg2 $cis"
27 ls -lA --color=auto $cis

```

Question 4

```
1/1  +  [Icons]  Tilix: dmatos45030@cis106vm: ~/Scripts  [Search] [Menu] [Window Controls]

1: dmatos45030@cis106vm: ~/Scripts  [Close]

dmatos45030@cis106vm:~/Scripts$ bash Challenge4.sh
Changing to:    /home/dmatos45030/Pictures
Changing to:    /home/dmatos45030/Videos
Current PWD:    /home/dmatos45030/Vdieos
Previous PWD:   /home/dmatos45030/Pictures

Long list of /home/dmatos45030/cis106
total 20K
drwxrwxr-x 2 dmatos45030 4.0K 09/23/24 cheatSheets
drwxrwxr-x 2 dmatos45030 4.0K 09/23/24 finalExam
drwxrwxr-x 6 dmatos45030 4.0K 10/14/24 Labs
drwxrwxr-x 6 dmatos45030 4.0K 10/14/24 notes
drwxrwxr-x 6 dmatos45030 4.0K 10/14/24 WeekReports
dmatos45030@cis106vm:~/Scripts$
```