

Lab 4

Question 1



Question 2

```
tdelane-smith@cis106: ~/lab4files
-rw-rw-r-- 1 tdelane-smith tdelane-smith 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 tdelane-smith tdelane-smith 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 tdelane-smith tdelane-smith 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 tdelane-smith tdelane-smith 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 tdelane-smith tdelane-smith 135K Feb 22 2022 website.html
tdelane-smith@cis106: ~/lab4files$ ls -l
total 6.5M
-rw-rw-r-- 1 tdelane-smith tdelane-smith 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 tdelane-smith tdelane-smith 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 tdelane-smith tdelane-smith 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 tdelane-smith tdelane-smith 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 tdelane-smith tdelane-smith 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 tdelane-smith tdelane-smith 135K Feb 22 2022 website.html
-rw-rw-r-- 1 tdelane-smith tdelane-smith 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 tdelane-smith tdelane-smith 28K Feb 22 2022 countries.json
-rw-rw-r-- 1 tdelane-smith tdelane-smith 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 tdelane-smith tdelane-smith 76 Feb 22 2022 helloWorld.c
tdelane-smith@cis106: ~/lab4files$ ls -l
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-rw-rw-r-- 1 tdelane-smith tdelane-smith 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 tdelane-smith tdelane-smith 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 tdelane-smith tdelane-smith 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 tdelane-smith tdelane-smith 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 tdelane-smith tdelane-smith 28K Feb 22 2022 countries.json
tdelane-smith@cis106: ~/lab4files$
```

Question 3

```
tdelane-smith@cis106: ~/scripts
tdelane-smith@cis106: ~/scripts$ bash lab4_scripts_og.sh
The Current User is tdelane-smith. It's home directory is /home/tdelane-smith
lab4_scripts_og.sh: line 3: cd: /home/tdelane-smith/Downloads: No such file or directory
The Current directory is:
/home/tdelane-smith/scripts
The Current directory is:
/home/tdelane-smith/cis106

All files (including hidden files in) /
bin, boot, cdrom, dev, etc, home, lib, lib32, lib64, lost+found, media,
mnt, opt, proc, root, run, sbin, snap, srv, swapfile, sys, tmp, usr, var

All files (including hidden files in) /home/tdelane-smith
'.Absolute Path VS Relative Path Cheat sheet.png', '.bash_history', '.bash_logout',
'.bashrc', '.cache', 'cat', 'cis106', '.config', 'Desktop', '.dmrc', 'Documents', '.dotnet',
'.fontconfig', '.gitconfig', '.gnupg', 'lab4files', 'lab4_script.sh', '.lesshst', '.local',
'.msteamer', '.Pictures', '.pk', '.practises', '.practises', '.profile', '.Public', 'scripts',
'script.sh', 'snap', '.ssh', '.sudo_as_admin_successful', 'Templates',
'.The LS command Cheat Sheet.png', '.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

lab4_scripts_og.sh: line 18: echoAll files (including hidden files in) /home/tdelane-smith/Download: No such file or directory
ls: cannot access '/home/tdelane-smith/Downloads': No such file or directory
lab4_scripts_og.sh: line 22: unexpected EOF while looking for matching ""
lab4_scripts_og.sh: line 26: syntax error: unexpected end of file
tdelane-smith@cis106: ~/scripts$
```

Question 4 (challenge question)

Script Source Code

```
tdelane-smith@cis106:~/scripts$ bash challenge_lab4.sh
Changing to: /home/tdelane-smith/Pictures
Changing to: /home/tdelane-smith/Videos
Current PWD: /home/tdelane-smith/Videos
Previous PWD: /home/tdelane-smith/Pictures

echo
Long list of: /home/tdelane-smith/cis106
drwxrwxr -x 2 4.0K 02/07/24 cheatsheets:
drwxrwxr -x 8 4.0K 02/07/24 .git:
drwxrwxr -x 4 4.0K 02/07/24 labs:
drwxrwxr -x 4 4.0K 02/07/24 weekReports:
tdelane-smith@cis106:~/scripts$
```