

Lab 4

Question 2

```

1: ccwallace2@cis106: ~/lab4files
ccwallace2@cis106:~$ cd /usr/share
ccwallace2@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
ccwallace2@cis106:/usr/share$ cd ~/lab4files/
ccwallace2@cis106:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 ccwallace2 ccwallace2 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 ccwallace2 ccwallace2 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 ccwallace2 ccwallace2 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 ccwallace2 ccwallace2 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 ccwallace2 ccwallace2 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 ccwallace2 ccwallace2 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 ccwallace2 ccwallace2 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 ccwallace2 ccwallace2 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 ccwallace2 ccwallace2 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 ccwallace2 ccwallace2 135K Feb 22 2022 website.html
ccwallace2@cis106:~/lab4files$ ls -lhs
total 6.5M
-rw-rw-r-- 1 ccwallace2 ccwallace2 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 ccwallace2 ccwallace2 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 ccwallace2 ccwallace2 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 ccwallace2 ccwallace2 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 ccwallace2 ccwallace2 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 ccwallace2 ccwallace2 135K Feb 22 2022 website.html
-rw-rw-r-- 1 ccwallace2 ccwallace2 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 ccwallace2 ccwallace2 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 ccwallace2 ccwallace2 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 ccwallace2 ccwallace2 76 Feb 22 2022 helloWorld.c
ccwallace2@cis106:~/lab4files$ccwallace2@cccccwacccccccwcccccwallace2@cis1ccwallace2@cis106:~/lab4files$ ls -Ghs
Linux.pdf  document.docx  csvfile.csv  Tux.png      sample.xls
Ubuntu.pdf globe.avi      website.html countries.json helloWorld.c
ccwallace2@cis106:~/lab4files$ ls -GhSiXr
787247 sample.xls 787239 Linux.pdf 787244 document.docx 787245 globe.avi
787240 Tux.png 787242 countries.json 787243 csvfile.csv
787241 Ubuntu.pdf 787248 website.html 787246 helloWorld.c
ccwallace2@cis106:~/lab4files$ _

```

Question 3

```

ccwallace2@cis106:~/lab4files$ bash ~/scripts/lab4_script.sh
The current user is ccwallace2. It's 'home directory is /home/ccwallace2
The current directory is:
/home/ccwallace2/Downloads
The current directory is:
/home/ccwallace2/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/ccwallace2
.bash_history, .bash_logout, .bashrc, bashscript.sh, .cache, cis106, .config, Desktop, Documents, .dotnet, Downloads,
.gitconfig, github_cheat_sheet.txt, .gnupg, lab4files, .lessht, .local, Music, Pictures, .pkg, practicels,
practicels.tar.xz, .profile, Public, script_env_var.sh, scripts, script.sh, snap, .ssh, .sudo_as_admin_successful,
Templates, .vboxclient-clipboard-tty2-control.pid, .vboxclient-clipboard-tty2-service.pid,
.vboxclient-draganddrop-tty2-control.pid, .vboxclient-draganddrop-tty2-service.pid,
.vboxclient-hostversion-tty2-control.pid, .vboxclient-seamless-tty2-control.pid, .vboxclient-seamless-tty2-service.pid,
.vboxclient-vmtoolsd-session-tty2-control.pid, .vboxclient-vmtoolsd-session-tty2-service.pid, Videos, .vscode

All files (including hidden files ) in /home/ccwallace2/Downloads
code_1.86.2-1707853305_arm64.deb

All files (including hidden files ) in /home/ccwallace2/cis106
cheatSheets, classscreenshots, finalProject, .git, labs, notes, weekReports

```

Question 4 (challenge question)

- [Script Source Code](#)

```
ccwallace2@cis106:~$ bash ~/scripts/ch_lab4.sh
Changing to: /home/ccwallace2/Pictures
Changing to: /home/ccwallace2/Videos
Changing to: /home/ccwallace2/Videos
Changing to: /home/ccwallace2/Pictures

Long list of /home/ccwallace2/cis106
total 2.3M
drwxrwxr-x 2 4.0K Mar  6 23:15 scripts
-rw-r--r-- 1 11K Mar  6 23:05 --help
drwxr-xr-x 2 4.0K Mar  6 22:52 Downloads
-rw-rw-r-- 1 184 Mar  6 22:07 script_env_var.sh
drwxrwxr-x 9 4.0K Mar  6 21:55 cis106
-rw-rw-r-- 1 2.2M Mar  4 21:36 practicels.tar.xz
drwxr-xr-x 3 4.0K Feb 29 18:44 Pictures
drwx----- 6 4.0K Feb 16 17:30 snap
drwxr-xr-x 2 4.0K Feb 16 15:33 Desktop
-rw-rw-r-- 1 207 Feb  8 18:43 bashscript.sh
-rw-rw-r-- 1 967 Feb  4 18:30 github_cheat_sheet.txt
-rw-rw-r-- 1 330 Feb  4 17:52 script.sh
drwxr-xr-x 2 4.0K Feb  4 17:35 Documents
drwxr-xr-x 2 4.0K Feb  4 17:35 Music
drwxr-xr-x 2 4.0K Feb  4 17:35 Public
drwxr-xr-x 2 4.0K Feb  4 17:35 Templates
drwxr-xr-x 2 4.0K Feb  4 17:35 Videos
drwxrwxr-x 2 4.0K Feb 27 2022 practicels
drwxrwxr-x 2 4.0K Feb 22 2022 lab4files
```