Lab 4

Question 1

Question 2

```
jgc@cis106:~/lab4files$ ls -lhS --no-group -i ~/lab4files
total 6.5M
948548 -rw-rw-r-- 1 jgc 2.5M Feb 22  2022 Linux.pdf
948657 -rw-rw-r-- 1 jgc 2.1M Feb 22  2022 Ubuntu.pdf
948660 -rw-rw-r-- 1 jgc 747K Feb 22  2022 document.docx
948661 -rw-rw-r-- 1 jgc 726K Feb 22  2022 globe.avi
948659 -rw-rw-r-- 1 jgc 278K Feb 22  2022 csvfile.csv
948664 -rw-rw-r-- 1 jgc 135K Feb 22  2022 website.html
948656 -rw-rw-r-- 1 jgc  42K Feb 22  2022 Tux.png
948658 -rw-rw-r-- 1 jgc  20K Feb 22  2022 countries.json
948663 -rw-rw-r-- 1 jgc 8.5K Feb 22  2022 sample.xls
948662 -rw-rw-r-- 1 jgc   76 Feb 22  2022 helloWorld.c
jgc@cis106:~/lab4files$ ls -lXr ~/lab4files
total 6580
-rw-rw-r-- 1 jgc jgc    8704 Feb 22  2022 sample.xls
-rw-rw-r-- 1 jgc jgc   42777 Feb 22  2022 Tux.png
-rw-rw-r-- 1 jgc jgc 2114053 Feb 22  2022 Ubuntu.pdf
-rw-rw-r-- 1 jgc jgc 2600138 Feb 22  2022 Linux.pdf
-rw-rw-r-- 1 jgc jgc   20471 Feb 22  2022 countries.json
-rw-rw-r-- 1 jgc jgc  137453 Feb 22  2022 website.html
-rw-rw-r-- 1 jgc jgc  764176 Feb 22  2022 document.docx
-rw-rw-r-- 1 jgc jgc  284042 Feb 22  2022 csvfile.csv
-rw-rw-r-- 1 jgc jgc      76 Feb 22  2022 helloWorld.c
-rw-rw-r-- 1 jgc jgc  742478 Feb 22  2022 globe.avi
jgc@cis106:~/lab4files$ █
```

```
1/1 ⌄   +   ⬚   ⬚                                    Tilix: jgc@cis106: ~/lab4files

1: jgc@cis106: ~/lab4files ⌄

jgc@cis106:~$ cd /usr/share/
jgc@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
jgc@cis106:/usr/share$ cd ~/lab4files/
jgc@cis106:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 jgc jgc  20K Feb 22  2022 countries.json
-rw-rw-r-- 1 jgc jgc 278K Feb 22  2022 csvfile.csv
-rw-rw-r-- 1 jgc jgc 747K Feb 22  2022 document.docx
-rw-rw-r-- 1 jgc jgc 726K Feb 22  2022 globe.avi
-rw-rw-r-- 1 jgc jgc   76 Feb 22  2022 helloWorld.c
-rw-rw-r-- 1 jgc jgc 2.5M Feb 22  2022 Linux.pdf
-rw-rw-r-- 1 jgc jgc 8.5K Feb 22  2022 sample.xls
-rw-rw-r-- 1 jgc jgc  42K Feb 22  2022 Tux.png
-rw-rw-r-- 1 jgc jgc 2.1M Feb 22  2022 Ubuntu.pdf
-rw-rw-r-- 1 jgc jgc 135K Feb 22  2022 website.html
jgc@cis106:~/lab4files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 jgc jgc 2.5M Feb 22  2022 Linux.pdf
-rw-rw-r-- 1 jgc jgc 2.1M Feb 22  2022 Ubuntu.pdf
-rw-rw-r-- 1 jgc jgc 747K Feb 22  2022 document.docx
-rw-rw-r-- 1 jgc jgc 726K Feb 22  2022 globe.avi
-rw-rw-r-- 1 jgc jgc 278K Feb 22  2022 csvfile.csv
-rw-rw-r-- 1 jgc jgc 135K Feb 22  2022 website.html
-rw-rw-r-- 1 jgc jgc  42K Feb 22  2022 Tux.png
-rw-rw-r-- 1 jgc jgc  20K Feb 22  2022 countries.json
-rw-rw-r-- 1 jgc jgc 8.5K Feb 22  2022 sample.xls
-rw-rw-r-- 1 jgc jgc   76 Feb 22  2022 helloWorld.c
```

Question 3

```
Open ∨   ⌐+⌐                          lab4_script_og.sh
                                          ~/Scripts

 1  #!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 directoy is $HOME"
 8  cd $down
 9  echo $msg1
10  pwd
11  cd $cis106
12  echo $msg1
13  pwd
14
15  echo -e $msg2 /"
16  ls -mA / --color=auto /
17
18  echo -e $msg2 $HOME /"
19  ls -mA / --color=auto $HOME
20
21  echo -e $msg2 $down"
22  ls -mA / --color=auto $down
23
24  echo -e $msg2 $cis"
25  ls -mA / --color=auto $cis
```

Question 4 (challenge question)

1: jgc@cis106: ~/Scripts ∨   ▢   ›

```
jgc@cis106:~/Scripts$ bash challenge_lab4.sh
Changing to: /home/jgc/lab4files
Current PWD: /home/jgc/lab4files
Previous PWD: /home/jgc/Scripts

Long list of /home/jgc/lab4files
total 6.5M
-rw-rw-r-- 1 jgc 2.5M Feb 22  2022 Linux.pdf
-rw-rw-r-- 1 jgc 2.1M Feb 22  2022 Ubuntu.pdf
-rw-rw-r-- 1 jgc 747K Feb 22  2022 document.docx
-rw-rw-r-- 1 jgc 726K Feb 22  2022 globe.avi
-rw-rw-r-- 1 jgc 278K Feb 22  2022 csvfile.csv
-rw-rw-r-- 1 jgc 135K Feb 22  2022 website.html
-rw-rw-r-- 1 jgc  42K Feb 22  2022 Tux.png
-rw-rw-r-- 1 jgc  20K Feb 22  2022 countries.json
-rw-rw-r-- 1 jgc 8.5K Feb 22  2022 sample.xls
-rw-rw-r-- 1 jgc   76 Feb 22  2022 helloWorld.c
```