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## Lab 4

## Question 1

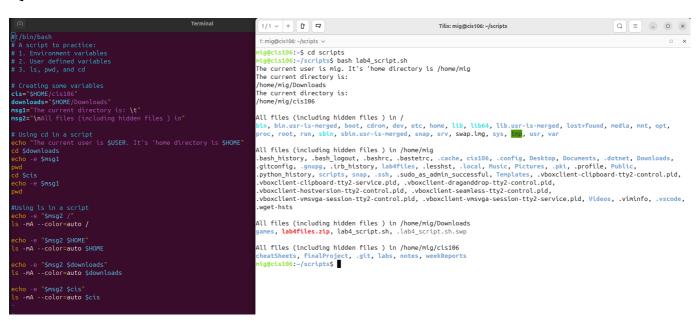
```
mig@cis106: ~/Documents
 FI.
mig@cis106:~$ pwd
/home/mig
mig@cis106:~$ cd /usr/share/themes/
mig@cis106:/usr/share/themes$ pwd
/usr/share/themes
mig@cis106:/usr/share/themes$ cd /
mig@cis106:/$ cd /snap/firefox/
mig@cis106:/snap/firefox$ cd
mig@cis106:~$ cd Downloads/
mig@cis106:~/Downloads$ cd ../../
mig@cis106:/home$ pwd
/home
mig@cis106:/home$ cd ~/Documents/
mig@cis106:~/Documents$
```

Question 2

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 1/1 ~
                                     Tilix: mig@cis106: ~/lab4files
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 1: mig@cis106: ~/lab4files ~
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                                                                                            ×
mig@cis106:~$ cd /usr/share/
mig@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
mig@cis106:/usr/share$ cd ~/lab4files/
mig@cis106:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 mig mig 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 mig mig 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 mig mig 747K Feb 22
                                  2022 document.docx
-rw-rw-r-- 1 mig mig 726K Feb 22
                                  2022 globe.avi
-rw-rw-r-- 1 mig mig 76 Feb 22
                                 2022 helloWorld.c
-rw-rw-r-- 1 mig mig 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 mig mig 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 mig mig 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 mig mig 2.1M Feb 22
                                  2022 Ubuntu.pdf
-rw-rw-r-- 1 mig mig 135K Feb 22 2022 website.html
mig@cis106:~/lab4files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 mig mig 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 mig mig 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 mig mig 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 mig mig 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 mig mig 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 mig mig 135K Feb 22
                                  2022 website.html
-rw-rw-r-- 1 mig mig 42K Feb 22
                                  2022 Tux.png
-rw-rw-r-- 1 mig mig 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 mig mig 8.5K Feb 22
                                  2022 sample.xls
-rw-rw-r-- 1 mig mig
                      76 Feb 22 2022 helloWorld.c
mig@cis106:~/lab4files$ ls -lhSgGi
total 6.5M
2899006 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
2900741 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
2900751 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
2900757 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
2900745 -rw-rw-r-- 1 278K Feb 22
                                  2022 csvfile.csv
2901446 -rw-rw-r-- 1 135K Feb 22
                                  2022 website.html
```

## Question 3



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## Question 4 (Challenge Question)

• Script Source Code

```
1: mig@cis106: ~/cis106/labs/lab4      
 1 #!/bin/bash
                                                                            nig@cis106:~$ cd ~/cis106/labs/lab4
 2 pic="\t$HOME/Pictures"
                                                                            nig@cis106:~/cis106/labs/lab4$ bash lab4_challenge_script.sh
 3 vid="\t$HOME/Videos"
                                                                           Changing to: /home/mig/Videos
                                                                           Changing to:
Current PWD:
                                                                           Current PWD: /home/mig/Videos
Previous PWD: /home/mig/Pictures
 5 cd ~/Pictures
 6 echo -e "Changing to:$pic"
 7 cd ~/Videos
                                                                           Long list of /home/mig/cis106
8 echo -e "Changing to:$vid"
                                                                           total 20K
9 echo -e "Current PWD:$vid"
                                                                           drwxrwxr-x 2 4.0K 03/02/2025 cheatSheets
10 echo -e "Previous PWD:$pic\n"
                                                                           drwxrwxr-x 5 4.0K 02/19/2025 finalProject
11 echo "Long list of $HOME/cis106"
                                                                           drwxrwxr-x 6 4.0K 03/12/2025 labs
                                                                           drwxrwxr-x 5 4.0K 03/02/2025 notes
12 cd ~/cis106
                                                                           drwxrwxr-x 5 4.0K 03/02/2025 weekReports
13 ls -lhgG --time-style=+%x --color=auto
                                                                            mig@cis106:~/cis106/labs/lab4$
```