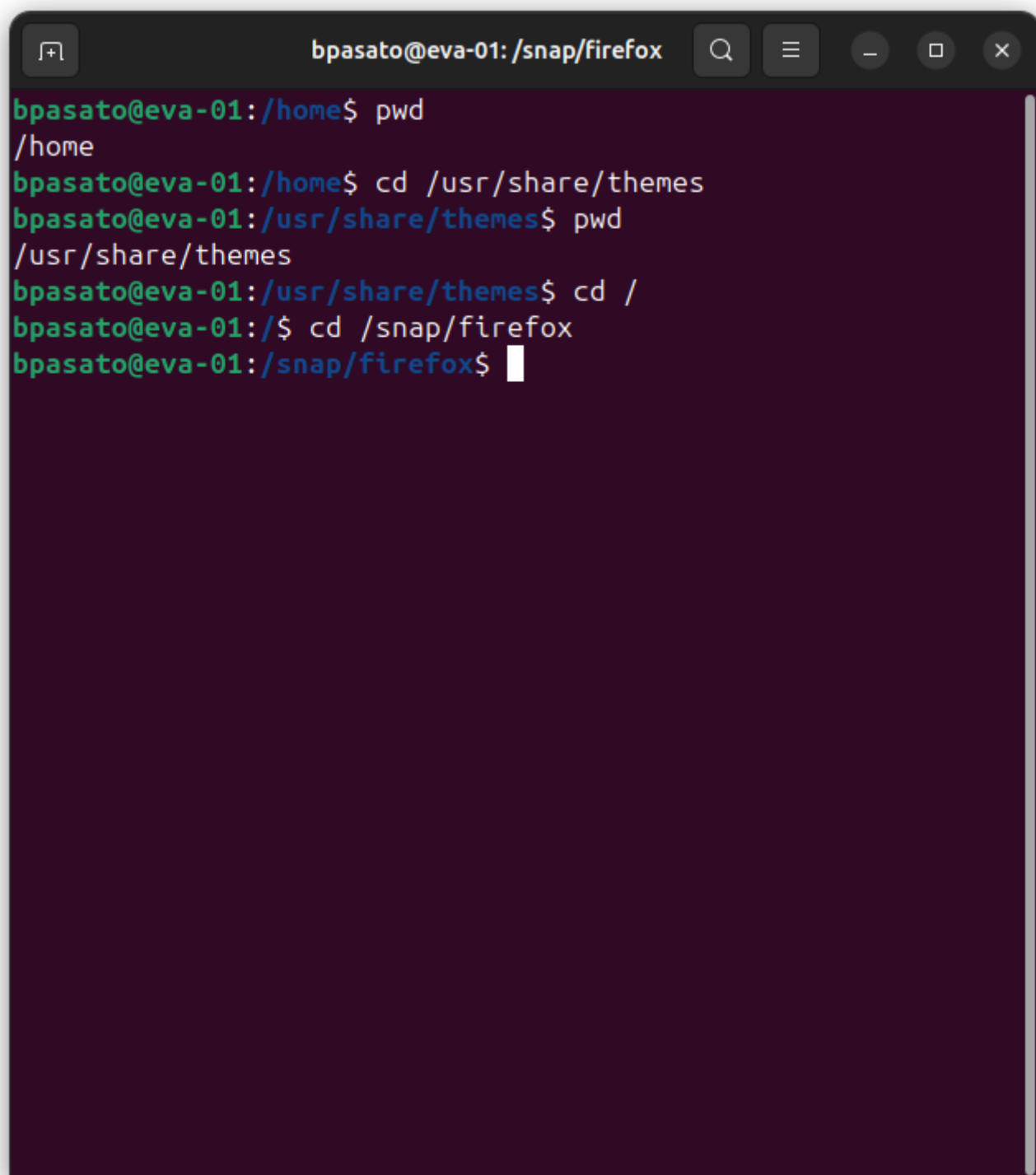


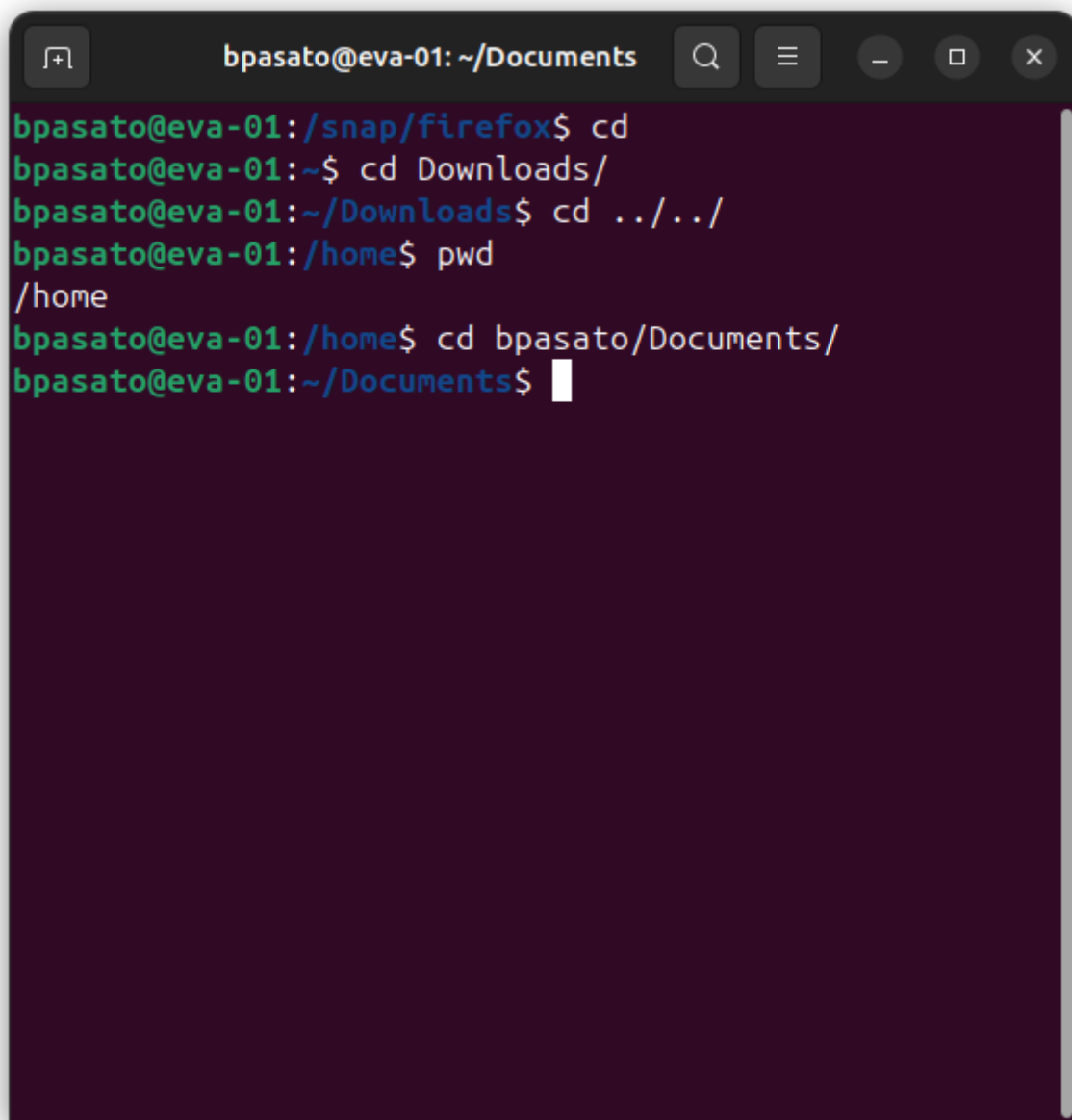
Lab 4

Question 1



```
bpasato@eva-01: /snap/firefox
bpasato@eva-01:/home$ pwd
/home
bpasato@eva-01:/home$ cd /usr/share/themes
bpasato@eva-01:/usr/share/themes$ pwd
/usr/share/themes
bpasato@eva-01:/usr/share/themes$ cd /
bpasato@eva-01:/$ cd /snap/firefox
bpasato@eva-01:/snap/firefox$
```

Question 2

A terminal window titled 'bpasato@eva-01: ~/Documents' with standard window controls. The terminal shows a sequence of commands and their outputs: 'cd' from '/snap/firefox' to '~', 'cd Downloads/' to '~/Downloads', 'cd ../../' to '/home', 'pwd' returning '/home', and 'cd bpasato/Documents/' to '~/Documents'. The prompt is currently 'bpasato@eva-01:~/Documents\$' with a cursor.

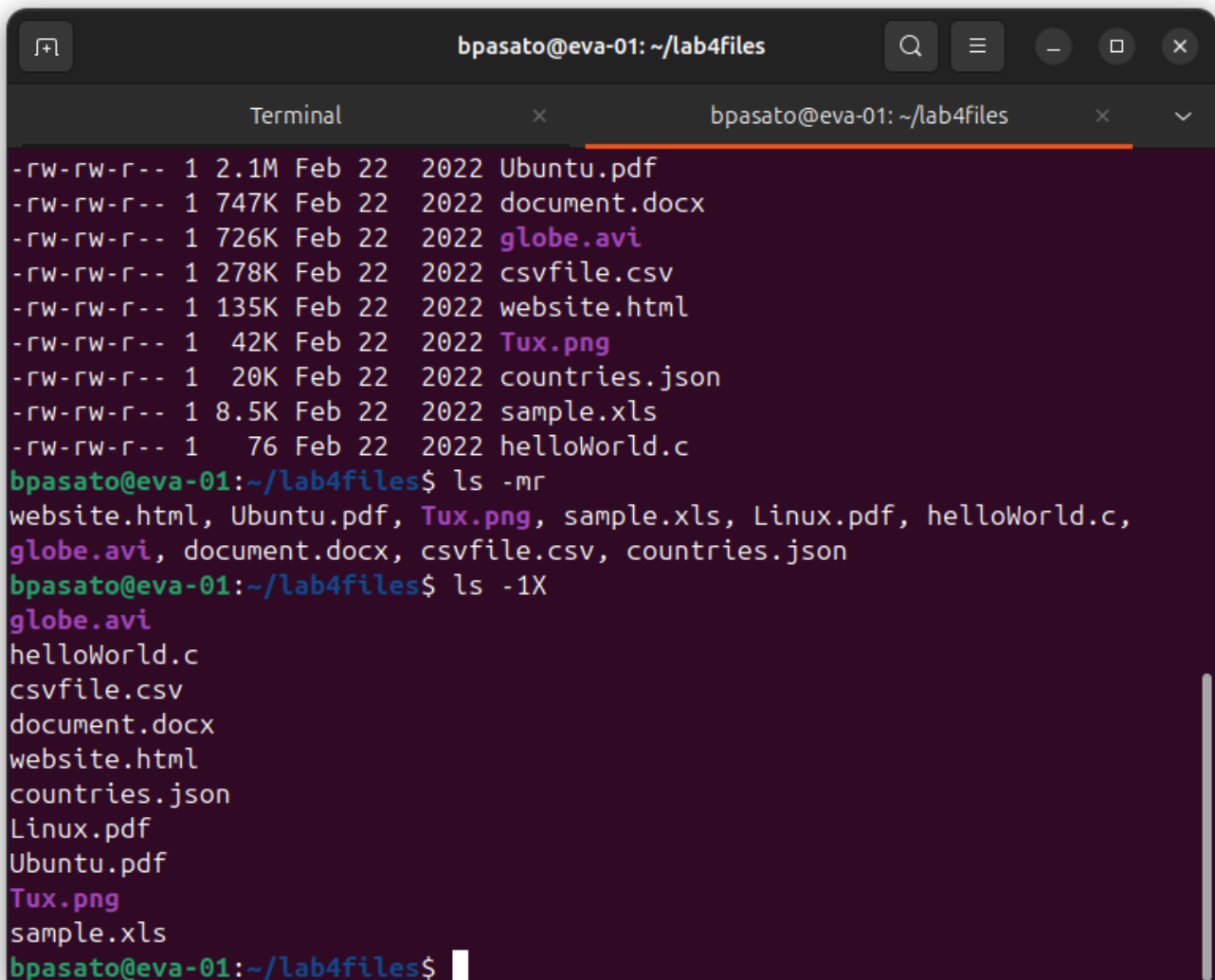
```
bpasato@eva-01:/snap/firefox$ cd
bpasato@eva-01:~$ cd Downloads/
bpasato@eva-01:~/Downloads$ cd ../../
bpasato@eva-01:/home$ pwd
/home
bpasato@eva-01:/home$ cd bpasato/Documents/
bpasato@eva-01:~/Documents$
```

Question 3

```
bpasato@eva-01: ~/lab4files
Terminal x bpasato@eva-01: ~/lab4files
bpasato@eva-01:~$ cd
bpasato@eva-01:~$ cd /usr/share/
bpasato@eva-01:/usr/share$ ls -/lab4files/
ls: invalid option -- '/'
Try 'ls --help' for more information.
bpasato@eva-01:/usr/share$ ls -/lab4files/
ls: invalid option -- '/'
Try 'ls --help' for more information.
bpasato@eva-01:/usr/share$ ls ~/lab4files/
countries.json  document.docx  helloWorld.c  sample.xls  Ubuntu.pdf
csvfile.csv     globe.avi      Linux.pdf     Tux.png     website.html
bpasato@eva-01:/usr/share$ cd ~/lab4files/
bpasato@eva-01:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 bpasato bpasato 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 bpasato bpasato 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 bpasato bpasato 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 bpasato bpasato 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 bpasato bpasato 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 bpasato bpasato 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 bpasato bpasato 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 bpasato bpasato 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 bpasato bpasato 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 bpasato bpasato 135K Feb 22 2022 website.html
```

```
bpasato@eva-01: ~/lab4files
Terminal x bpasato@eva-01: ~/lab4files
bpasato@eva-01:~/lab4files$ ls -lhs
total 6.5M
20K -rw-rw-r-- 1 bpasato bpasato 20K Feb 22 2022 countries.json
280K -rw-rw-r-- 1 bpasato bpasato 278K Feb 22 2022 csvfile.csv
748K -rw-rw-r-- 1 bpasato bpasato 747K Feb 22 2022 document.docx
728K -rw-rw-r-- 1 bpasato bpasato 726K Feb 22 2022 globe.avi
4.0K -rw-rw-r-- 1 bpasato bpasato 76 Feb 22 2022 helloWorld.c
2.5M -rw-rw-r-- 1 bpasato bpasato 2.5M Feb 22 2022 Linux.pdf
12K -rw-rw-r-- 1 bpasato bpasato 8.5K Feb 22 2022 sample.xls
44K -rw-rw-r-- 1 bpasato bpasato 42K Feb 22 2022 Tux.png
2.1M -rw-rw-r-- 1 bpasato bpasato 2.1M Feb 22 2022 Ubuntu.pdf
136K -rw-rw-r-- 1 bpasato bpasato 135K Feb 22 2022 website.html
bpasato@eva-01:~/lab4files$ ls -lhGS
total 6.5M
-rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 135K Feb 22 2022 website.html
```

```
-rw-rw-r-- 1 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
```



A terminal window titled "bpasato@eva-01: ~/lab4files" with standard window controls. It shows two terminal sessions. The first session lists files with their permissions, sizes, dates, and names. The second session shows the output of the `ls -mr` and `ls -lX` commands, listing files in reverse order and with extended attributes respectively.

```
bpasato@eva-01: ~/lab4files
Terminal x bpasato@eva-01: ~/lab4files x v
-rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 135K Feb 22 2022 website.html
-rw-rw-r-- 1 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
bpasato@eva-01:~/lab4files$ ls -mr
website.html, Ubuntu.pdf, Tux.png, sample.xls, Linux.pdf, helloWorld.c,
globe.avi, document.docx, csvfile.csv, countries.json
bpasato@eva-01:~/lab4files$ ls -lX
globe.avi
helloWorld.c
csvfile.csv
document.docx
website.html
countries.json
Linux.pdf
Ubuntu.pdf
Tux.png
sample.xls
bpasato@eva-01:~/lab4files$
```

Question 4 (Challenge Question)


```
bpasato@eva-01: ~  
Terminal x bpasato@eva-0... x bpasato@eva-0... x  
bpasato@eva-01:~$ bash ~/Scripts/question4.sh  
Changing to: /home/bpasato/Pictures  
Changing to: /home/bpasato/Videos  
Current PWD: /home/bpasato/Videos  
Previous PWD: /home/bpasato/Pictures  
Long List of /home/bpasato/cis106  
/home/bpasato  
total 52K  
drwxrwxr-x 8 bpasato bpasato 4.0K Mar 18 18:13 cis106  
drwxr-xr-x 2 bpasato bpasato 4.0K Feb 13 17:13 Desktop  
drwxr-xr-x 2 bpasato bpasato 4.0K Mar 20 19:03 Documents  
drwxr-xr-x 6 bpasato bpasato 4.0K Mar 20 20:57 Downloads  
drwxrwxr-x 2 bpasato bpasato 4.0K Feb 22 2022 lab4files  
drwxr-xr-x 2 bpasato bpasato 4.0K Feb 13 17:13 Music  
drwxr-xr-x 3 bpasato bpasato 4.0K Mar 6 18:26 Pictures  
drwxr-xr-x 2 bpasato bpasato 4.0K Feb 13 17:13 Public  
-rw-rw-r-- 1 bpasato bpasato 392 Mar 20 20:20 question3.sh  
drwxrwxr-x 2 bpasato bpasato 4.0K Mar 20 21:13 Scripts  
drwx----- 7 bpasato bpasato 4.0K Mar 20 20:57 snap  
drwxr-xr-x 2 bpasato bpasato 4.0K Feb 13 17:13 Templates  
drwxr-xr-x 2 bpasato bpasato 4.0K Feb 13 17:13 Videos  
bpasato@eva-01:~$
```

```
Open v question... Ln 5, Col 8  
~/Scripts  
3 echo "Changing to: /home/bpasato/Pictures"  
4 echo "Changing to: /home/bpasato/Videos"  
5 echo "Current PWD: /home/bpasato/Videos"  
6 echo "Previous PWD: /home/bpasato/Pictures"  
7  
8 echo "Long List of /home/bpasato/cis106"  
9 pwd  
10 ls -lh  
11
```

