

Lab 4

Question 1

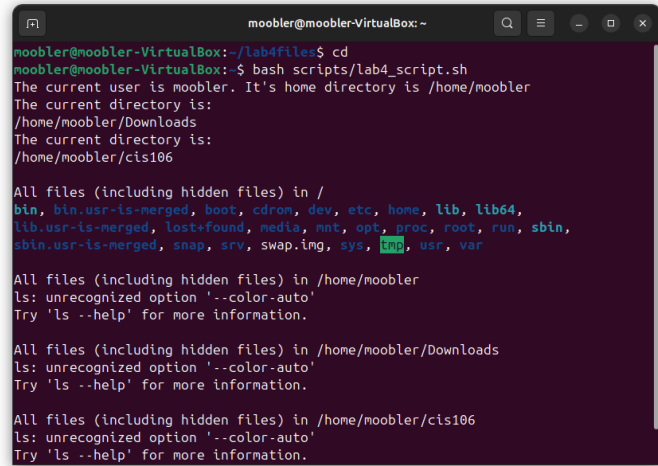
```
moobler@moobler-VirtualBox:~$ pwd
/home/moobler
moobler@moobler-VirtualBox:~$ cd /usr/share/themes/
moobler@moobler-VirtualBox:/usr/share/themes$ pwd
/usr/share/themes
moobler@moobler-VirtualBox:/usr/share/themes$ cd /
moobler@moobler-VirtualBox:/$ cd /snap/firefox
moobler@moobler-VirtualBox:/snap/firefox$
```

Question 2

```
moobler@moobler-VirtualBox:~$ pwd
/home/moobler
moobler@moobler-VirtualBox:~$ cd usr/share/themes
bash: cd: usr/share/themes: No such file or directory
moobler@moobler-VirtualBox:~$ cd /usr/share/
moobler@moobler-VirtualBox:/usr/share$ ls ~/lab4files/
countries.json  document.docx  helloWorld.c  sample.xls  Ubuntu.pdf
csvfile.csv     globe.avi       Linux.pdf      Tux.png     website.html
moobler@moobler-VirtualBox:/usr/share$
moobler@moobler-VirtualBox:/usr/share$ cd ~/lab4files/
moobler@moobler-VirtualBox:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 moobler moobler 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 moobler moobler 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 moobler moobler 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 moobler moobler 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 moobler moobler 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 moobler moobler 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 moobler moobler 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 moobler moobler 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 moobler moobler 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 moobler moobler 135K Feb 22 2022 website.html
moobler@moobler-VirtualBox:~/lab4files$ ls -lhSGi
total 6.5M
666664 -rw-rw-r-- 1 moobler 2.5M Feb 22 2022 Linux.pdf
666670 -rw-rw-r-- 1 moobler 2.1M Feb 22 2022 Ubuntu.pdf
666673 -rw-rw-r-- 1 moobler 747K Feb 22 2022 document.docx
666674 -rw-rw-r-- 1 moobler 726K Feb 22 2022 globe.avi
666672 -rw-rw-r-- 1 moobler 278K Feb 22 2022 csvfile.csv
666677 -rw-rw-r-- 1 moobler 135K Feb 22 2022 website.html
666665 -rw-rw-r-- 1 moobler 42K Feb 22 2022 Tux.png
666671 -rw-rw-r-- 1 moobler 20K Feb 22 2022 countries.json
666676 -rw-rw-r-- 1 moobler 8.5K Feb 22 2022 sample.xls
666675 -rw-rw-r-- 1 moobler 76 Feb 22 2022 helloWorld.c
moobler@moobler-VirtualBox:~/lab4files$ ls -lhSGi
```

Question 3

```
#!/bin/bash
down="$HOME/Downloads"
cis="$HOME/cis106"
msg1="The current directory is: "
msg2="\nAll files (including hidden files) in"
echo "The current user is $USER. It's home directory is $HOME"
cd $down
echo $msg1
pwd
cd $cis
echo $msg1
pwd
echo -e "$msg2 /\n"
ls -mA --color=auto /
echo -e "$msg2 $HOME"
ls -mA --color=auto $HOME
echo -e "$msg2 $down"
ls -mA --color=auto $down
echo -e "$msg2 $cis"
ls -mA --color=auto $cis
I
```



The screenshot shows a terminal window titled "moobler@moobler-VirtualBox: ~". The user runs `cd` and then `bash scripts/lab4_script.sh`. The script outputs the current directory as `/home/moobler/Downloads` and the current user as `moobler`. It then lists files in `/`, `/home/moobler`, `/home/moobler/Downloads`, and `/home/moobler/cis106`. The `ls` command is used with `--color=auto` and `--color` options, which result in "unrecognized option" errors. The terminal output is as follows:

```
moobler@moobler-VirtualBox:~/lab4files$ cd
moobler@moobler-VirtualBox:~$ bash scripts/lab4_script.sh
The current directory is:
/home/moobler/Downloads
The current user is moobler. It's home directory is /home/moobler
The current directory is:
/home/moobler/cis106

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

All files (including hidden files) in /home/moobler
ls: unrecognized option '--color=auto'
Try 'ls --help' for more information.

All files (including hidden files) in /home/moobler/Downloads
ls: unrecognized option '--color=auto'
Try 'ls --help' for more information.

All files (including hidden files) in /home/moobler/cis106
ls: unrecognized option '--color=auto'
Try 'ls --help' for more information.
```

Challenge question

1 [lab4 challenge](#)