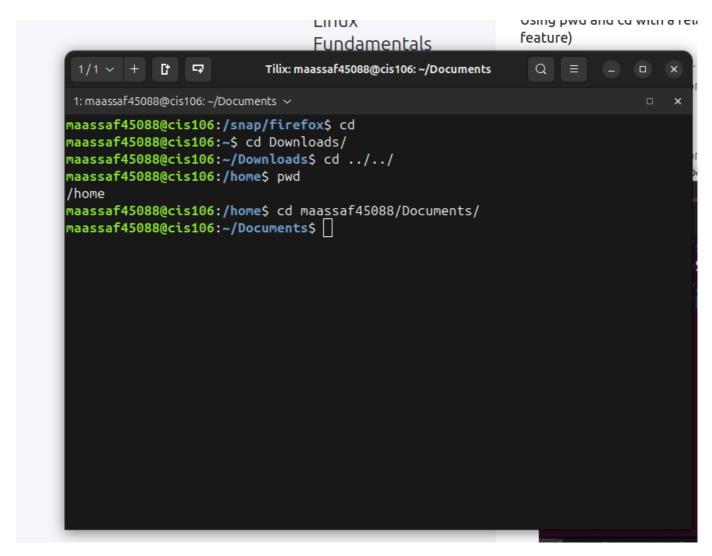
Lab 4 Submission

Student: Mohammed Assaf semester: Fall 24 Assignment: Lab 3

Lab 4 Submission

Question 1

Question 2



Question 3

```
T:massaf45088@cis106:-/labdfiles \
massaf45088@cis106:-/labdfiles \
massaf45088@cis106:-5 cd/usr/share/
bash: cd/usr/share/: No such file or directory
massaf45088@cis106:-5 cd /usr/share/
massaf45088@cis106:-5 cd /usr/share/
massaf45088@cis106:-/sc d /usr/share/
massaf45088@cis106:/usr/share$ ls -/labdfiles/
countries.json csvfile.csv document.docx globe.avi helloWorld.c Linux.pdf sample.xls Tux.png Ubuntu.pdf website.html
massaf45088@cis106:-/labdfiles/
massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.massaf45088.mas
                                                    total 6.5M

rM-rW-rF--1 maassaf45088 maassaf45088 20K Feb 22 2022 countries.json

rW-rW-rF--1 maassaf45088 maassaf45088 278K Feb 22 2022 countries.json

rW-rW-rF--1 maassaf45088 maassaf45088 278K Feb 22 2022 countries.json

rW-rW-rF--1 maassaf45088 maassaf45088 274K Feb 22 2022 document.dock

rW-rW-rF--1 maassaf45088 maassaf45088 76 Feb 22 2022 globe.avi

rW-rW-rF--1 maassaf45088 maassaf45088 2.5M Feb 22 2022 linux.pdf

rW-rW-rF--1 maassaf45088 maassaf45088 2.5M Feb 22 2022 sample.xls

rW-rW-rF--1 maassaf45088 maassaf45088 2.5M Feb 22 2022 zwp.pag

rW-rW-rF--1 maassaf45088 maassaf45088 2.1M Feb 22 2022 Ubuntu.pdf

rW-rW-rF--1 maassaf45088 maassaf45088 135K Feb 22 2022 website.html

maassaf45088@cis106:-/lab4files$ ls -lh5

total 6.5M
             4
     total 6580

-rw-rw-r-- 1 maassaf45088 maassaf45088 2600138 Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 maassaf45088 maassaf45088 2114053 Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 maassaf45088 maassaf45088 764176 Feb 22 2022 Ubuntu.pdf
-rw-rw-rr-- 1 maassaf45088 maassaf45088 764176 Feb 22 2022 globe.avc
-rw-rw-r-- 1 maassaf45088 maassaf45088 284042 Feb 22 2022 globe.avc
-rw-rw-r-- 1 maassaf45088 maassaf45088 13743 Feb 22 2022 website.html
-rw-rw-r- 1 maassaf45088 maassaf45088 20471 Feb 22 2022 Tux.png
-rw-rw-r- 1 maassaf45088 maassaf45088 20471 Feb 22 2022 countries.json
  O

        maassaf45088@cis106:-/lab4ftles$
        ls -lahl5 --no-group

        total 6.5M
        1maassaf45088 2.5M Feb 22 2022 Linux.pdf

        536417 - rw-rw-r-- 1 maassaf45088 2.1M Feb 22 2022 Ubuntu.pdf

        536425 - rw-rw-r-- 1 maassaf45088 747K Feb 22 2022 document.docx

        536432 - rw-rw-r-- 1 maassaf45088 747K Feb 22 2022 globe.avi

        536437 - rw-rw-r-- 1 maassaf45088 135K Feb 22 2022 csvfile.csv

        536446 - rw-rw-r-- 1 maassaf45088 135K Feb 22 2022 csvfile.csv

        536446 - rw-rw-r-- 1 maassaf45088 278K Feb 22 2022 countries.json

        536424 - rw-rw-r-- 1 maassaf45088 278K Feb 22 2022 countries.json

        536446 - rw-rw-r-- 1 maassaf45088 8.5K Feb 22 2022 countries.json

        536441 - rw-rw-r-- 1 maassaf45088 4.0K Feb 22 2022 cample.xls

        536442 - rw-rw-r-- 1 maassaf45088 4.0K Feb 22 2022 sample.xls

        536441 - rw-rw-r-- 1 maassaf45088 76 Feb 22 2022 sample.xls

        536441 - rw-rw-r-- 1 maassaf45088 76 Feb 22 2022 sample.xls

        536441 - rw-rw-r-- 1 maassaf45088 76 Feb 22 2022 sample.xls

        536441 - rw-rw-r-- 1 maassaf45088 76 Feb 22 2022 helloworld.c

        536456 6 Feb 22 2022 helloworld.c

                                         ssaf450880cis106:~/lab4files$ ls -labi$ --no-oroun
          maassaf450
total 6580
          total 6580

-rw-rw+r-- 1 maassaf45988 maassaf45988 8764 Feb 22 2022 sample.xls
-rw-rw+r-- 1 maassaf45988 maassaf45988 42777 Feb 22 2022 Tux.png
-rw-rw-r- 1 maassaf45988 maassaf45988 2114053 Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 maassaf45988 maassaf45988 220471 Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 maassaf45988 maassaf45988 20471 Feb 22 2022 countries.json
-rw-rw-r-- 1 maassaf45988 maassaf45988 73453 Feb 22 2022 website.html
-rw-rw-r-- 1 maassaf45988 maassaf45988 74676 Feb 22 2022 document.docx
-rw-rw-r-- 1 maassaf45988 maassaf45988 76 Feb 22 2022 countries.json
-rw-rw-r-- 1 maassaf45988 maassaf45988 76 Feb 22 2022 countries.json
-rw-rw-r-- 1 maassaf45988 maassaf45988 76 Feb 22 2022 countries.json
```

Question 4

```
maassaf45088@cis106:-$ bash Scripts/lab4_script_gg.sh
The current user is maassaf45088. It's home directory is /home/maassaf45088
The current directory is:
/home/maassaf45088/Downloads
             1 #!/bin/bash
                2 down="$HOME/Downloads"
3 msg1="The current directory is:'
                                                                                                                                                                                                                                       /home/maassaf45088/Downlo
The current directory is:
/home/maassaf45088/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, ...., usr, var
                  echo "The current user is $USER. It's home directory is $HOME"
                  echo Smsa1
                                                                                                                                                                                                                                      All files (including hidden files) in /home/maassaf45088
.bash_history, _bash_logout, _bashrc, bobssburger, _cache, _cis106, .config,
Desktop, Documents, _dotnet, Downloads, error_librewolfinstaller.log,
.gitconfig, _gnupg, lab4files, _lesshst, _lhS, _librewolf, _local, Music,
Pictures, _pki, practicels, _profile, Public, Scripts, snap, _ssh,
.sudo_as_admin_successful, Templates, _vboxclient-clipboard-tty2-control.pid,
.vboxclient-clipboard-tty2-service.pid,
.vboxclient-draganddrop-tty2-control.pid, .vboxclient-hostversion-tty2-control.pid,
.vboxclient-hostversion-tty2-control.pid,
.vboxclient-vmsvga-session-tty2-control.pid,
.vboxclient-vmsvga-session-tty2-service.pid, Videos, _viminfo, _vscode,
.wget-hsts
                  cd Scis
                  echo $msg1
 ls -mA / --color=auto
ls -mA --color=auto $HOME
                                                                                                                                                                                                                                        All files (including hidden files) in /home/maassaf45088/Downloads
                   echo -e "$msg2 $dowr
                                                                                                                                                                                                                                       All files (including hidden files) in /home/maassaf45088/cis106
Cheatsheets, .git, Labs, Notes, WeekReports
maassaf45088@cis106:-$
                  ls -mA --color=auto Sdown
Ą
                  echo -e "$msg2 $cis
3
           28 ls -mA --color=auto $cis
```

Challenge Question:

```
| Timassid=50000ctt06. - V | Timassid=50000ctt06
```

Script Source code for Challenge Question:

Script_challenge

Lab4 Source Code:

lab4