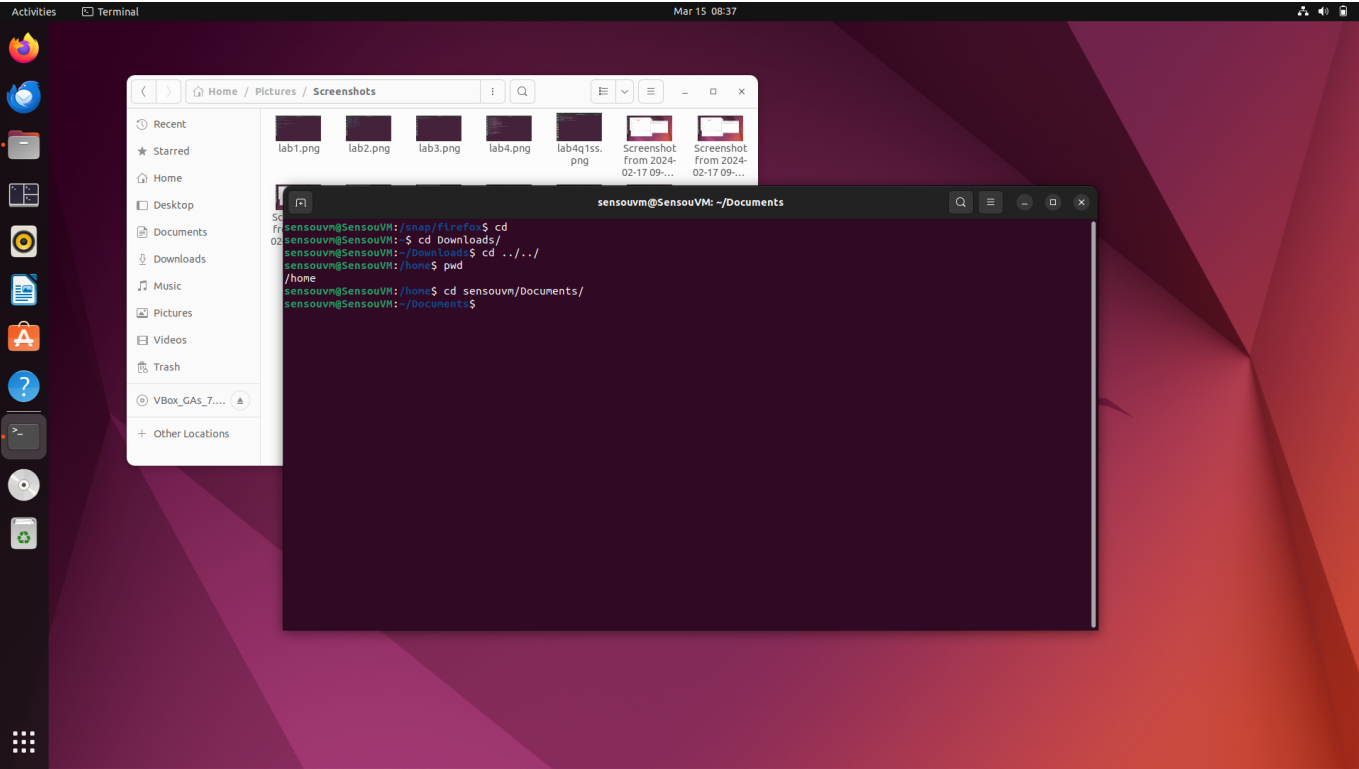
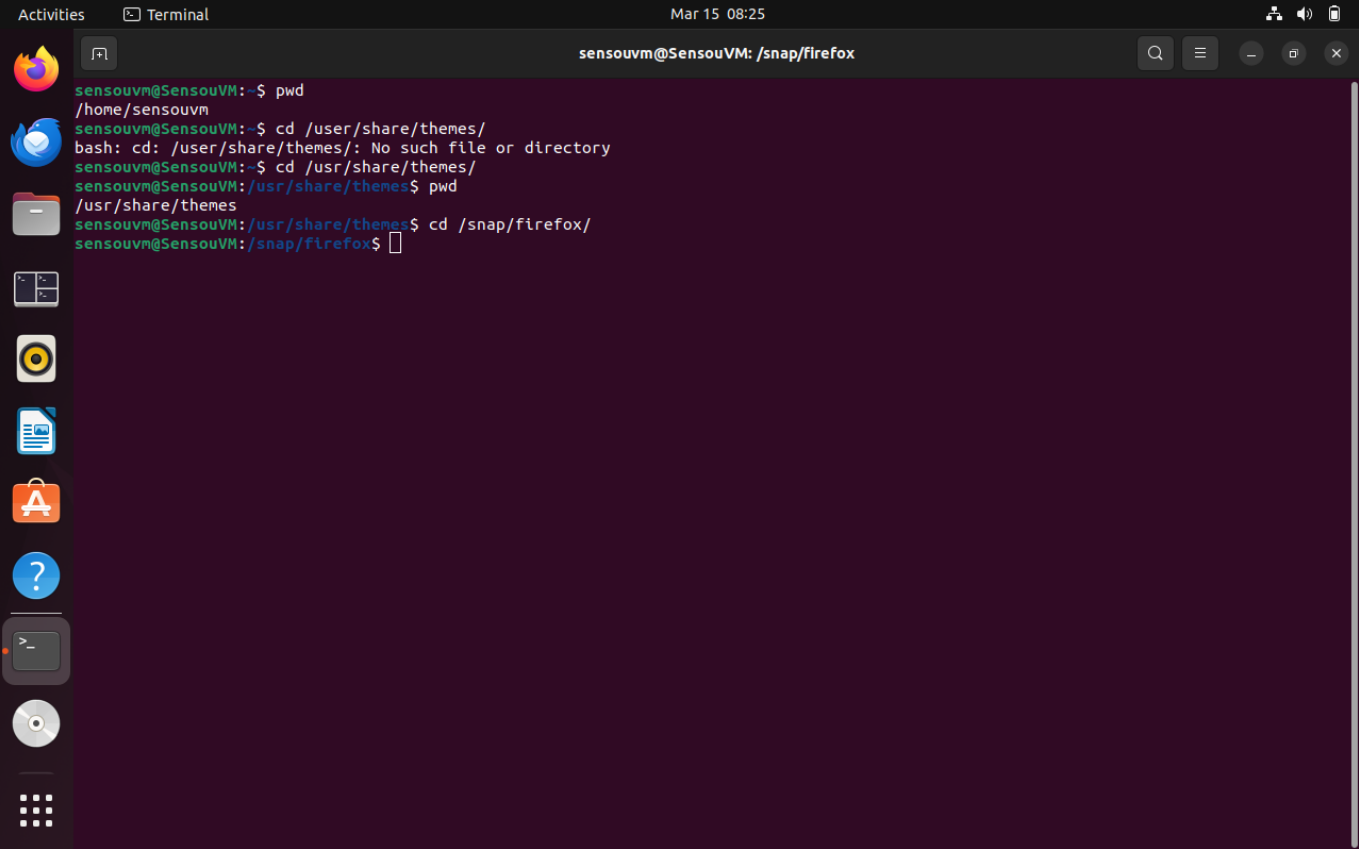


#Student: richard medina #semester: Spring 24 #Assignment: Lab 4

Lab 4 Submission

Question 1



Question 2

```

Activities Terminal Mar 15 09:25 sensouvm@SensouVM: ~/lab4files

sensouvm@SensouVM: /usr/share$ cd
sensouvm@SensouVM: $ cd /usr/share/
sensouvm@SensouVM: /usr/share$ ls -la /home/sensouvm/lab4files/
total 6.5M
-rw-rw-r-- 1 sensouvm sensouvm 28K Feb 22 2022 countries.json
-rw-rw-r-- 1 sensouvm sensouvm 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 sensouvm sensouvm 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 sensouvm sensouvm 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 sensouvm sensouvm 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 sensouvm sensouvm 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 sensouvm sensouvm 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 sensouvm sensouvm 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 sensouvm sensouvm 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 sensouvm sensouvm 135K Feb 22 2022 website.html
sensouvm@SensouVM: /lab4files$ ls -lh
total 6.5M
404878 20K -rw-rw-r-- 1 20K Feb 22 2022 countries.json
404879 280K -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
404880 748K -rw-rw-r-- 1 747K Feb 22 2022 document.docx
404881 728K -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
404882 4.0K -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
404872 2.5M -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
404883 12K -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
404873 44K -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
404877 2.1M -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
404884 136K -rw-rw-r-- 1 135K Feb 22 2022 website.html
sensouvm@SensouVM: /lab4files$ ls -x -r
website.html Ubuntu.pdf Tux.png sample.xls Linux.pdf helloWorld.c globe.avi document.docx csvfile.csv countries.json
sensouvm@SensouVM: /lab4files$ ls -lh -r -x
total 6.5M
-rw-rw-r-- 1 sensouvm sensouvm 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 sensouvm sensouvm 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 sensouvm sensouvm 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 sensouvm sensouvm 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 sensouvm sensouvm 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 sensouvm sensouvm 135K Feb 22 2022 website.html
-rw-rw-r-- 1 sensouvm sensouvm 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 sensouvm sensouvm 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 sensouvm sensouvm 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 sensouvm sensouvm 726K Feb 22 2022 globe.avi
sensouvm@SensouVM: /lab4files$

```

Question 3

```

Activities Terminal Mar 15 09:50 lab4_script.sh ~ /cis106/script

1 #!/bin/bash
2 # A script to practice:
3 # 1. Environment variables
4 # 2. User defined variables
5 # 3. ls, pwd, and cd
6 # I'm leaving a comment here so you can see I'm not just opening it to open it, I definitely get variables. 'medina'
7 # Creating some variables
8 c1s1=$HOME/cis106
9 downloads=$HOME/Downloads
10 ns1g1="The current directory is: /"
11 ns1g2="All files (including hidden files) in"
12
13 # Using cd in a script
14 echo "The current user is $USER. It's 'home directory is $HOME"
15 cd $downloads
16 echo -e $ns1g1
17 pwd
18 cd $c1s1
19 echo -e $ns1g1
20 pwd
21
22 # Using ls in a script
23 echo -e $ns1g2 /
24 ls -la --color=auto /
25
26 echo -e $ns1g2 $HOME
27 ls -la --color=auto $HOME
28
29 echo -e $ns1g2 $downloads
30 ls -la --color=auto $downloads
31
32 echo -e $ns1g2 $c1s1
33 ls -la --color=auto $c1s1

```

```

sensouvm@SensouVM: ~/cis106/script
sensouvm@SensouVM:~/cis106/script$ bash lab4_script.sh
The current user is sensouvm. It's 'home directory is /home/sensouvm
The current directory is:
/home/sensouvm/downloads
The current directory is:
/home/sensouvm/cis106

All files (including hidden files) in /
bin, boot, cgroup, dev, etc, home, lib, lib32, lib64, libx32, lost+found, media, mnt, opt, proc, root, run,/sbin, snap,
srv, swapfile, sys, tmp, usr, var

All files (including hidden files) in /home/sensouvm
., .bash_history, .bash_logout, .bashrc, .cache, .cis106, .config, .Desktop, .Documents, .dotnet, .Downloads, .fontconfig,
.gitconfig, .gnome, lab2, lab4files, .lesshtst, .local, .music, .Pictures, .pki, .practicemdr, .profile, .Public, .script.sh,
.snap, .ssh, .sudo_as_admin_successful, .templates, .vboxclient-clipboard-tty2-control.pid,
.vboxclient-clipboard-tty2-service.pid, .vboxclient-draganddrop-tty2-control.pid,
.vboxclient-draganddrop-tty2-service.pid, .vboxclient-hostversion-tty2-control.pid,
.vboxclient-seamless-tty2-control.pid, .vboxclient-seamless-tty2-service.pid,
.vboxclient-vmsga-session-tty2-control.pid, .vboxclient-vmsga-session-tty2-service.pid, .Videos, .vscode

All files (including hidden files) in /home/sensouvm/Downloads
code_1.86.2-1707854558_and64.deb, Games, lab4files.zip

All files (including hidden files) in /home/sensouvm/cis106
cheatsheets, cis106, finalexam, .git, lab, notes, script, weekreports
sensouvm@SensouVM:~/cis106/scripts$

```

Question 4 Challenge

