# Lab 4 the Linux fs

# Question 1

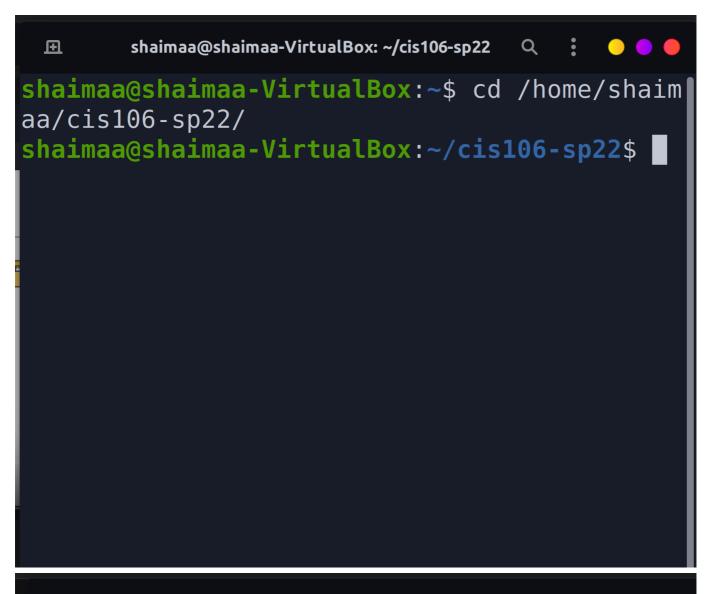
## Table 1

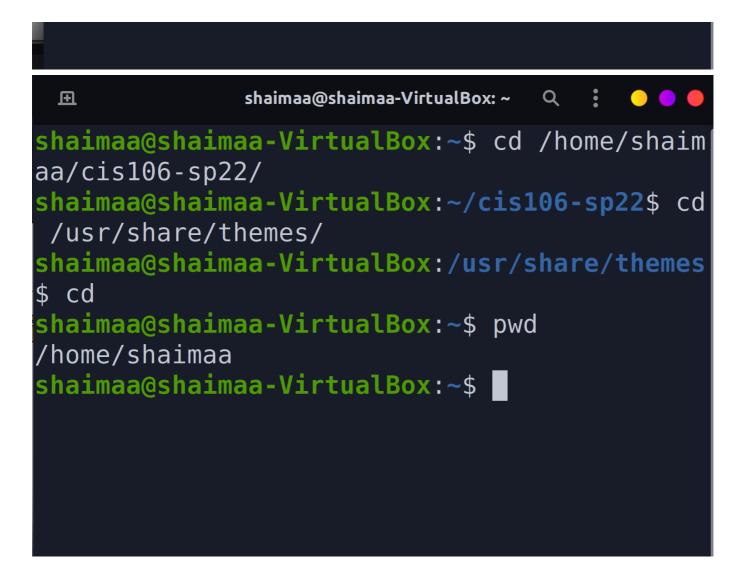
Directory	Function	
bin	directory contains binaries for use by all users.	
dev	the location of special or device files.	
etc	is where a Linux system's configuration files live.	
home	directory for a particular user of the system and consists of individual files.	
opt	reserved for the installation of add-on application software packages.	
ргос	is virtual file system created on fly when system boots.	
srv	directory contains site-specific data served by your system running Red Hat.	
usr	referred to as a process information pseudo-file system.	

## Table 2

Command	What it does	Syntax	Example
pwd	displaying the current working directory	pwd	/home
cd	changing the current working directory	cd name/Documents/	~/Documents/\$
ls	displaying all filed inside a given directory		

## Screen shots





```
shaimaa@shaimaa-VirtualBox: /home
 Ð
                                      Q
shaimaa@shaimaa-VirtualBox:/home$ ls .
shaimaa
shaimaa@shaimaa-VirtualBox:/home$ pwd
home
shaimaa@shaimaa-VirtualBox:/home$ cd /usr/sh
are/themes
shaimaa@shaimaa-VirtualBox:/usr/share/themes
5 cd -
home
shaimaa@shaimaa-VirtualBox:/home$
              shaimaa@shaimaa-VirtualBox: /usr/share
haimaa@shaimaa-VirtualBox:~$ cd /usr/share/
haimaa@shaimaa-VirtualBox:/usr/share$ ls /home/shai
aa/lab4files/
s: cannot access '/home/shaimaa/lab4files/': No suc
file or directory
haimaa@shaimaa-VirtualBox:/usr/share$
```

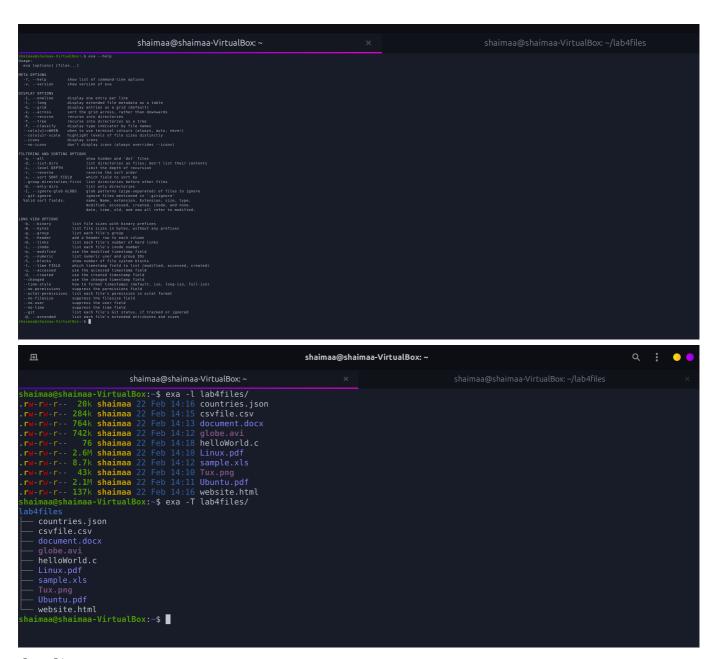
```
Ð
                                 shaimaa@shaimaa-VirtualBox: ~/Documents
shaimaa@shaimaa-VirtualBox:/etc/firefox$ cd
shaimaa@shaimaa-VirtualBox:~$ cd Do
Documents/ Downloads/
shaimaa@shaimaa-VirtualBox:~$ cd Downloads/
shaimaa@shaimaa-VirtualBox:~/Downloads$ cd ../../
shaimaa@shaimaa-VirtualBox:/home$ pwd
/home
shaimaa@shaimaa-VirtualBox:/home$ cd shaimaa/Documents/
shaimaa@shaimaa-VirtualBox:~/Documents$
 Ð
                          shaimaa@shaimaa-VirtualBox: /etc/firefox
shaimaa@shaimaa-VirtualBox:~$ cd
shaimaa@shaimaa-VirtualBox:~$ cd /usr/share/themes/
shaimaa@shaimaa-VirtualBox:/usr/share/themes$ pwd
/usr/share/themes
shaimaa@shaimaa-VirtualBox:/usr/share/themes$ cd /etc/firefox/
shaimaa@shaimaa-VirtualBox:/etc/firefox$
```

```
shaimaa@shaimaa-VirtualBox: ~/lab4files
shaimaa@shaimaa-VirtualBox:~$ cd /usr/share/
shaimaa@shaimaa-VirtualBox:/usr/share$ ls/home/shaimaa/lab4files/
bash: ls/home/shaimaa/lab4files/: No such file or directory
shaimaa@shaimaa-VirtualBox:/usr/share$ ls /home/shaimaa/lab4files/
countries.json document.docx helloWorld.c sample.xls Ubuntu.pdf
                globe.avi
csvfile.csv
                               Linux.pdf
                                                          website.html
shaimaa@shaimaa-VirtualBox:/usr/share$ cd ~/lab4files/
shaimaa@shaimaa-VirtualBox:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 shaimaa shaimaa 20K Feb 22 14:16 countries.json
-rw-rw-r-- 1 shaimaa shaimaa 278K Feb 22 14:15 csvfile.csv
-rw-rw-r-- 1 shaimaa shaimaa 747K Feb 22 14:13 document.docx
-rw-rw-r-- 1 shaimaa shaimaa 726K Feb 22 14:12 globe.avi
-rw-rw-r-- 1 shaimaa shaimaa 76 Feb 22 14:18 helloWorld.c
-rw-rw-r-- 1 shaimaa shaimaa 2.5M Feb 22 14:10 Linux.pdf
-rw-rw-r-- 1 shaimaa shaimaa 8.5K Feb 22 14:12 sample.xls
-rw-rw-r-- 1 shaimaa shaimaa 42K Feb 22 14:10 Tux.png
-rw-rw-r-- 1 shaimaa shaimaa 2.1M Feb 22 14:11 Ubuntu.pdf
-rw-rw-r-- 1 shaimaa shaimaa 135K Feb 22 14:16 website.html
shaimaa@shaimaa-VirtualBox:~/lab4files$ ls -lhs
                             shaimaa@shaimaa-VirtualBox: ~/lab4files
                                                                         Ħ
rw-rw-r-- 1 shaimaa shaimaa 726K Feb 22 14:12 globe.avi
rw-rw-r-- 1 shaimaa shaimaa 76 Feb 22 14:18 helloWorld.c
rw-rw-r-- 1 shaimaa shaimaa 2.5M Feb 22 14:10 Linux.pdf
rw-rw-r-- 1 shaimaa shaimaa 8.5K Feb 22 14:12 sample.xls
rw-rw-r-- 1 shaimaa shaimaa 42K Feb 22 14:10 Tux.png
rw-rw-r-- 1 shaimaa shaimaa 2.1M Feb 22 14:11 Ubuntu.pdf
rw-rw-r-- 1 shaimaa shaimaa 135K Feb 22 14:16 website.html
shaimaa@shaimaa-VirtualBox:~/lab4files$ ls -lhs
total 6.5M
20K -rw-rw-r-- 1 shaimaa shaimaa 20K Feb 22 14:16 countries.json
280K -rw-rw-r-- 1 shaimaa shaimaa 278K Feb 22 14:15 csvfile.csv
748K -rw-rw-r-- 1 shaimaa shaimaa 747K Feb 22 14:13 document.docx
728K -rw-rw-r-- 1 shaimaa shaimaa 726K Feb 22 14:12 qlobe.avi
4.0K -rw-rw-r-- 1 shaimaa shaimaa   76 Feb 22 14:18 helloWorld.c
.5M -rw-rw-r-- 1 shaimaa shaimaa 2.5M Feb 22 14:10 Linux.pdf
12K -rw-rw-r-- 1 shaimaa shaimaa 8.5K Feb 22 14:12 sample.xls
44K -rw-rw-r-- 1 shaimaa shaimaa 42K Feb 22 14:10 Tux.png
2.1M -rw-rw-r-- 1 shaimaa shaimaa 2.1M Feb 22 14:11 Ubuntu.pdf
136K -rw-rw-r-- 1 shaimaa shaimaa 135K Feb 22 14:16 website.html
shaimaa@shaimaa-VirtualBox:~/lab4files$
```

```
Ð
                          shaimaa@shaimaa-VirtualBox: ~/lab4files
       shaimaa@shaimaa-VirtualBox: ~/lab4files
haimaa@shaimaa-VirtualBox:~/lab4files$ ls -lhSqGi
total 6.5M
415648 -rw-rw-r-- 1 2.5M Feb 22 14:10 Linux.pdf
115651 -rw-rw-r-- 1 2.1M Feb 22 14:11 Ubuntu.pdf
415674 -rw-rw-r-- 1 747K Feb 22 14:13 document.docx
415685 -rw-rw-r-- 1 726K Feb 22 14:12 globe.avi
115668 -rw-rw-r-- 1 278K Feb 22 14:15 csvfile.csv
415689 -rw-rw-r-- 1 135K Feb 22 14:16 website.html
115688 -rw-rw-r-- 1 8.5K Feb 22 14:12 sample.xls
415687 -rw-rw-r-- 1
                  76 Feb 22 14:18 helloWorld.c
shaimaa@shaimaa-VirtualBox:~/lab4files$ ls -Xr
sample.xls Ubuntu.pdf countries.json document.docx
                                                  helloWorld.c
          Linux.pdf
                     website.html
                                    csvfile.csv
                                                  globe.avi
shaimaa@shaimaa-VirtualBox:~/lab4files$
```

```
shaimaa@shaimaa-VirtualBox:~/lab4files$ cd /etc/
shaimaa@shaimaa-VirtualBox:/etc$ tree ~/lab4files/
/home/shaimaa/lab4files/
  - countries.json
  - csvfile.csv
  - document.docx
  globe.avi
 - helloWorld.c
  - Linux.pdf
  sample.xls
  - Ubuntu.pdf
  website.html
directories, 10 files
haimaa@shaimaa-VirtualBox:/etc$
lab4.md - Visual Stu... • Welcome to the cours... <u>shaimaa@shaimaa-Vir.</u>.
shaimaa@shaimaa-VirtualBox:~/Downloads$ tree ../lab4files/ -fph
../lab4files
   [-rw-rw-r--
                   20K1
                          ../lab4files/countries.json
    [-rw-rw-r-- 277K]
                          ../lab4files/csvfile.csv
    [-rw-rw-r-- 746K]
                          ../lab4files/document.docx
                          ../lab4files/globe.avi
    [-rw-rw-r-- 725K]
                    761
                          ../lab4files/helloWorld.c
    [-rw-rw-r--
    [-rw-rw-r--2.5M]
                          ../lab4files/Linux.pdf
    [-rw-rw-r-- 8.5K]
                          ../lab4files/sample.xls
    [-rw-rw-r-- 42K]
                          ../lab4files/Tux.png
    [-rw-rw-r-- 2.0M]
                          ../lab4files/Ubuntu.pdf
                          ../lab4files/website.html
    [-rw-rw-r-- 134K]
0 directories, 10 files
shaimaa@shaimaa-VirtualBox:~/Downloads$
```

```
shaimaa@shaimaa-VirtualBox:~/Downloads$ tree ../lab4files/ -tug
./lab4files/
  - [shaimaa
              shaimaa ]
                          Linux.pdf
  - [shaimaa
              shaimaa l
                          Tux.pnq
                          Ubuntu.pdf
  – [shaimaa shaimaa ]
  - [shaimaa shaimaa ]
                          sample.xls
  - [shaimaa shaimaa ]
                          globe.avi
  — [shaimaa shaimaa ]
                          document.docx
  – [shaimaa shaimaa ]
                          csvfile.csv
  - [shaimaa shaimaa ]
                          countries.ison
                          website.html
  - [shaimaa shaimaa ]
  - [shaimaa shaimaa ]
                          helloWorld.c
directories, 10 files
shaimaa@shaimaa-VirtualBox:~/Downloads$
       shaimaa@shaimaa-VirtualBox: ~/Downloads
                                                shaimaa@shaimaa-VirtualBox: ~/lab4files
haimaa@shaimaa-VirtualBox:~/Downloads$ tree ../lab4files/ -X
?xml version="1.0" encoding="UTF-8"?>
tree>
 <directory name="../lab4files/">
   <file name="countries.json"></file>
   <file name="csvfile.csv"></file>
   <file name="document.docx"></file>
   <file name="globe.avi"></file>
   <file name="helloWorld.c"></file>
   <file name="Linux.pdf"></file>
   <file name="sample.xls"></file>
   <file name="Tux.png"></file>
   <file name="Ubuntu.pdf"></file>
   <file name="website.html"></file>
 </directory>
 <report>
   <directories>0</directories>
   <files>10</files>
```



![q5.3](q5.3.png