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Lab 4 The Linux FS

Question 1

```
whomsi@whomsi-virtual-machine:~$ cd /usr/share/themes/  
whomsi@whomsi-virtual-machine:/usr/share/themes$ pwd  
/usr/share/themes  
whomsi@whomsi-virtual-machine:/usr/share/themes$ cd /  
whomsi@whomsi-virtual-machine:/$ cd snap/firefox/  
whomsi@whomsi-virtual-machine:/snap/firefox$
```

```
whomsi@whomsi-virtual-machine:~$ cd  
whomsi@whomsi-virtual-machine:~$ cd Downloads/  
whomsi@whomsi-virtual-machine:~/Downloads$ cd ../../  
whomsi@whomsi-virtual-machine:/home$ pwd  
/home  
whomsi@whomsi-virtual-machine:/home$ cd whomsi/Documents  
whomsi@whomsi-virtual-machine:~/Documents$
```

Question 2

```

whomsi@whomsi-virtual-machine:~/Documents$ cd /usr/share
whomsi@whomsi-virtual-machine:/usr/share$ ls /home/whomsi/lab4files
countries.json csvfile.csv document.docx globe.avi helloWorld.c Linux.pdf sample.xls Tux.png Ubuntu.pdf website.html
whomsi@whomsi-virtual-machine:/usr/share$ cd ~/lab4files/
whomsi@whomsi-virtual-machine:~/lab4files$ ls -l
total 6580
-rw-rw-r-- 1 whomsi whomsi 20471 Feb 22 2022 countries.json
-rw-rw-r-- 1 whomsi whomsi 284042 Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 whomsi whomsi 764176 Feb 22 2022 document.docx
-rw-rw-r-- 1 whomsi whomsi 742478 Feb 22 2022 globe.avi
-rw-rw-r-- 1 whomsi whomsi 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 whomsi whomsi 2600138 Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 whomsi whomsi 8704 Feb 22 2022 sample.xls
-rw-rw-r-- 1 whomsi whomsi 42777 Feb 22 2022 Tux.png
-rw-rw-r-- 1 whomsi whomsi 2114053 Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 whomsi whomsi 137453 Feb 22 2022 website.html
whomsi@whomsi-virtual-machine:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 whomsi whomsi 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 whomsi whomsi 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 whomsi whomsi 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 whomsi whomsi 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 whomsi whomsi 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 whomsi whomsi 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 whomsi whomsi 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 whomsi whomsi 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 whomsi whomsi 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 whomsi whomsi 135K Feb 22 2022 website.html
whomsi@whomsi-virtual-machine:~/lab4files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 whomsi whomsi 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 whomsi whomsi 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 whomsi whomsi 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 whomsi whomsi 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 whomsi whomsi 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 whomsi whomsi 135K Feb 22 2022 website.html
-rw-rw-r-- 1 whomsi whomsi 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 whomsi whomsi 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 whomsi whomsi 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 whomsi whomsi 76 Feb 22 2022 helloWorld.c
whomsi@whomsi-virtual-machine:~/lab4files$ ls -lhSg
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
whomsi@whomsi-virtual-machine:~/lab4files$ ls -lhSgGi
total 6.5M
1050766 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
1050772 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
1050778 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
1050780 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
1050776 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
1050786 -rw-rw-r-- 1 135K Feb 22 2022 website.html
1050770 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
1050774 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
1050784 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
1050782 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
whomsi@whomsi-virtual-machine:~/lab4files$ ls -Xr
sample.xls Tux.png Ubuntu.pdf Linux.pdf countries.json website.html document.docx csvfile.csv helloWorld.c globe.avi
whomsi@whomsi-virtual-machine:~/lab4files$

```

Question 4

```

whomsi@whomsi-virtual-machine:~$ pwd
/home/whomsi
whomsi@whomsi-virtual-machine:~$ cd /usr/share/icons/default
whomsi@whomsi-virtual-machine:/usr/share/icons/default$ cd
whomsi@whomsi-virtual-machine:~$ cd /proc/sys/net/ipv4
whomsi@whomsi-virtual-machine:/proc/sys/net/ipv4$ cd -
/home/whomsi
whomsi@whomsi-virtual-machine:~$ ls /usr/share/backgrounds/
Blue_flower_by_Elena_Stravoravdi.jpg
canvas_by_roytanck.jpg
Cherry_Tree_in_Lakones_by_elenastravoravdi.jpg
contest
DSC2943_by_kcpru.jpg
Jammy-Jellyfish_WP_4096x2304_Grey.png
jj_dark_by_Hiking93.jpg
jj_light_by_Hiking93.jpg
Mirror_by_Uday_Nakade.jpg
Optical_Fibers_in_Dark_by_Elena_Stravoravdi.jpg
ubuntu2_by_arman1992.jpg
ubuntu_by_arman1992.jpg
ubuntu-default-greyscale-wallpaper.png
warty-final-ubuntu.png
whomsi@whomsi-virtual-machine:~$ ls /home/whomsi/Desktop/cis106
cheatsheets Labs Weekreports
whomsi@whomsi-virtual-machine:~$ ls /home/whomsi/Downloads
whomsi@whomsi-virtual-machine:~$ cd /dev/disk/by-id

whomsi@whomsi-virtual-machine:/dev/disk/by-id$ ls -la /home/whomsi
total 104
drwxr-x--- 20 whomsi whomsi 4096 Oct 27 10:38 .
drwxr-xr-x  3 root   root   4096 Sep 20 18:56 ..
-rw-----  1 whomsi whomsi 3859 Oct 27 11:51 .bash_history
-rw-r--r--  1 whomsi whomsi  220 Sep 20 18:56 .bash_logout
-rw-r--r--  1 whomsi whomsi 3771 Sep 20 18:56 .bashrc
drwx----- 21 whomsi whomsi 4096 Oct 27 10:21 .cache
drwx----- 22 whomsi whomsi 4096 Oct 27 10:50 .config
drwxr-xr-x  4 whomsi whomsi 4096 Oct 27 10:29 Desktop
drwxr-xr-x  2 whomsi whomsi 4096 Sep 20 18:59 Documents
drwxrwxr-x  3 whomsi whomsi 4096 Sep 27 17:51 .dotnet
drwxr-xr-x  2 whomsi whomsi 4096 Oct 27 10:38 Downloads
-rw-rw-r--  1 whomsi whomsi   58 Sep 29 11:08 .gitconfig
drwx-----  2 whomsi whomsi 4096 Oct 11 17:47 .gnupg
drwxrwxr-x  2 whomsi whomsi 4096 Feb 22 2022 lab4files
drwx-----  4 whomsi whomsi 4096 Sep 29 11:49 .local
drwxr-xr-x  2 whomsi whomsi 4096 Sep 20 18:59 Music
drwxr-xr-x  2 whomsi whomsi 4096 Oct 27 10:50 Pictures
drwx-----  3 whomsi whomsi 4096 Sep 27 17:50 .pki
-rw-r--r--  1 whomsi whomsi  807 Sep 20 18:56 .profile
drwxr-xr-x  2 whomsi whomsi 4096 Sep 20 18:59 Public
-rw-----  1 whomsi whomsi   13 Sep 27 18:18 .python_history
drwx-----  6 whomsi whomsi 4096 Sep 27 17:51 snap
drwx-----  2 whomsi whomsi 4096 Sep 29 11:12 .ssh
-rw-r--r--  1 whomsi whomsi    0 Sep 29 10:50 .sudo_as_admin_successful
drwxr-xr-x  2 whomsi whomsi 4096 Sep 20 18:59 Templates
drwxr-xr-x  2 whomsi whomsi 4096 Sep 20 18:59 Videos
drwxrwxr-x  4 whomsi whomsi 4096 Sep 27 17:51 .vscode

```

```
whomsi@whomsi-virtual-machine:/dev/disk/by-id$ ls -lt /usr/share/themes
total 120
drwxr-xr-x 7 root root 4096 Aug 7 18:54 Yaru
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-bark
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-bark-dark
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-blue
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-blue-dark
drwxr-xr-x 7 root root 4096 Aug 7 18:54 Yaru-dark
drwxr-xr-x 3 root root 4096 Aug 7 18:54 Yaru-dark-hdpi
drwxr-xr-x 3 root root 4096 Aug 7 18:54 Yaru-dark-xhdpi
drwxr-xr-x 3 root root 4096 Aug 7 18:54 Yaru-hdpi
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-magenta
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-magenta-dark
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-olive
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-olive-dark
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-prussiangreen
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-prussiangreen-dark
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-purple
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-purple-dark
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-red
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-red-dark
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-sage
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-sage-dark
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-viridian
drwxr-xr-x 5 root root 4096 Aug 7 18:54 Yaru-viridian-dark
drwxr-xr-x 3 root root 4096 Aug 7 18:54 Yaru-xhdpi
drwxr-xr-x 4 root root 4096 Aug 7 18:54 Default
drwxr-xr-x 4 root root 4096 Aug 7 18:54 Emacs
drwxr-xr-x 3 root root 4096 Aug 7 18:54 Raleigh
drwxr-xr-x 4 root root 4096 Aug 7 18:54 Adwaita
drwxr-xr-x 4 root root 4096 Aug 7 18:54 Adwaita-dark
drwxr-xr-x 4 root root 4096 Aug 7 18:54 HighContrast
```

```
whomsi@whomsi-virtual-machine:/dev/disk/by-id$ ls /usr/share | grep '\.'
drirc.d
gir-1.0
glib-2.0
gnome-bluetooth-3.0
goa-1.0
gstreamer-1.0
gtk-4.0
gtksourceview-2.0
gtksourceview-3.0
gupnp-dlna-2.0
org.gnome.Characters
whomsi@whomsi-virtual-machine:/dev/disk/by-id$
```

Question 5

```
whomsi@whomsi-virtual-machine:~$ cd
whomsi@whomsi-virtual-machine:~$ pwd
/home/whomsi
whomsi@whomsi-virtual-machine:~$ cd Downloads
whomsi@whomsi-virtual-machine:~/Downloads$ pwd
/home/whomsi/Downloads
whomsi@whomsi-virtual-machine:~/Downloads$
```

```
whomsi@whomsi-virtual-machine:~$ cd /usr/share/themes/Adwaita
whomsi@whomsi-virtual-machine:/usr/share/themes/Adwaita$ cd /home/whomsi/Documents
whomsi@whomsi-virtual-machine:~/Documents$ pwd
/home/whomsi/Documents
whomsi@whomsi-virtual-machine:~/Documents$
```