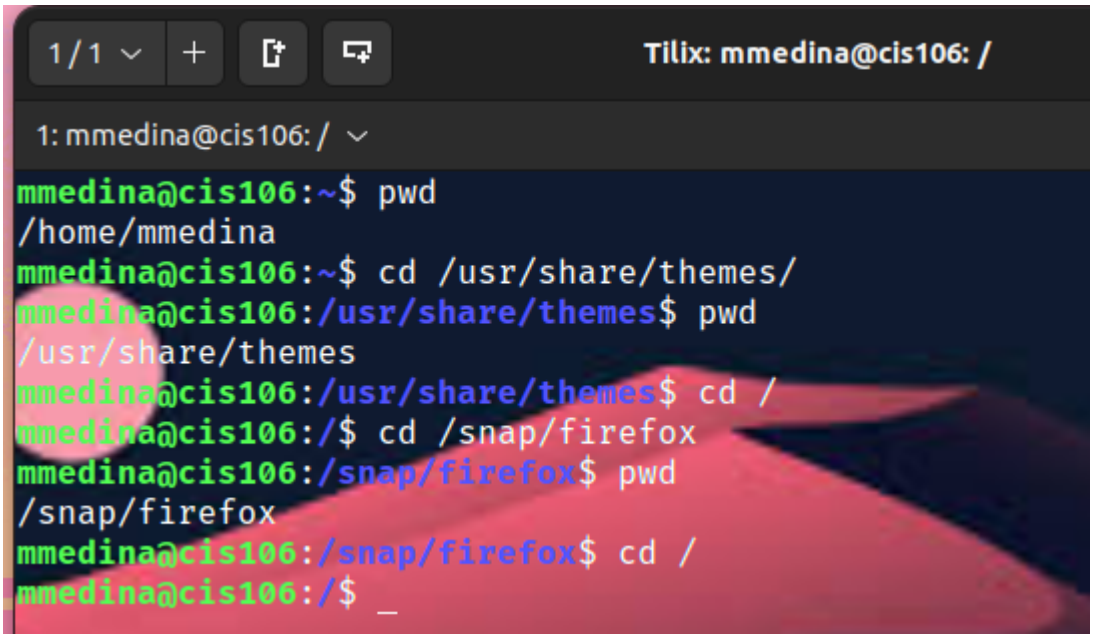
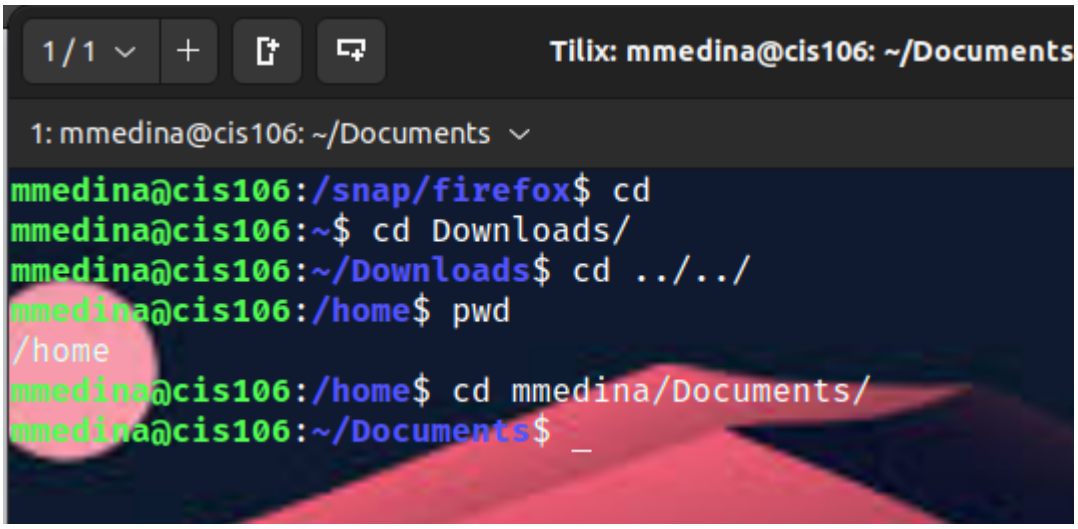
Lab 4: The Linux FS

Question 1





Question 2

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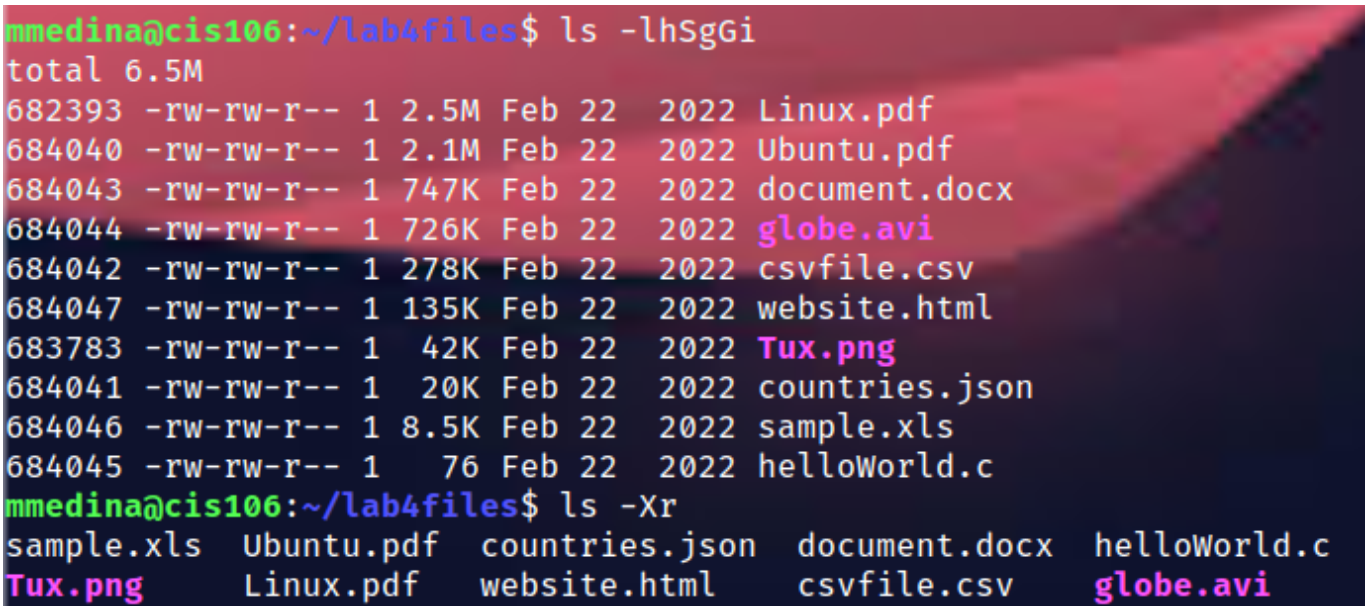
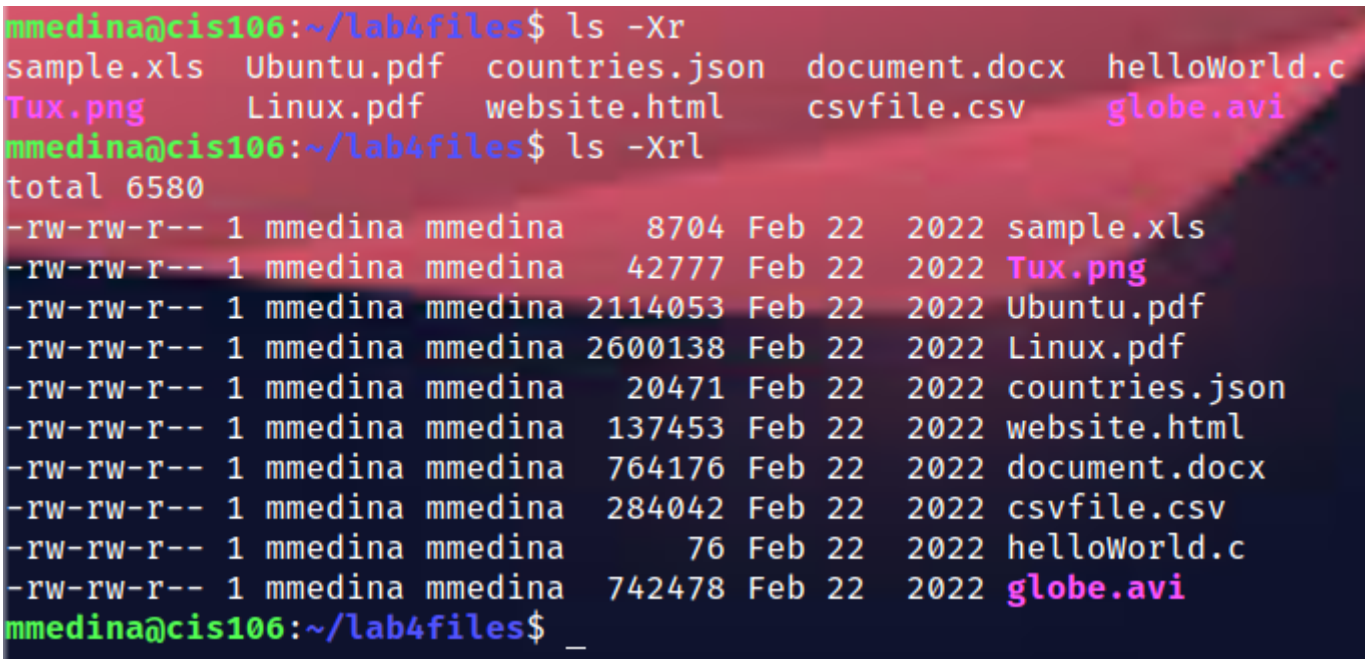
mmedina@cis106:~/Documents$ cd /usr/share/
mmedina@cis106:/usr/share$ ls /home/mmedina/lab4files/
countries.json  document.docx  helloWorld.c  sample.xls  Ubuntu.pdf
csvfile.csv     globe.avi      Linux.pdf     Tux.png     website.html
mmedina@cis106:/usr/share$ cd ~/lab4files/
mmedina@cis106:~/lab4files$ ls -l
total 6580
-rw-rw-r-- 1 mmedina mmedina   20471 Feb 22  2022 countries.json
-rw-rw-r-- 1 mmedina mmedina  284042 Feb 22  2022 csvfile.csv
-rw-rw-r-- 1 mmedina mmedina  764176 Feb 22  2022 document.docx
-rw-rw-r-- 1 mmedina mmedina  742478 Feb 22  2022 globe.avi
-rw-rw-r-- 1 mmedina mmedina      76 Feb 22  2022 helloWorld.c
-rw-rw-r-- 1 mmedina mmedina 2600138 Feb 22  2022 Linux.pdf
-rw-rw-r-- 1 mmedina mmedina    8704 Feb 22  2022 sample.xls
-rw-rw-r-- 1 mmedina mmedina   42777 Feb 22  2022 Tux.png
-rw-rw-r-- 1 mmedina mmedina 2114053 Feb 22  2022 Ubuntu.pdf
-rw-rw-r-- 1 mmedina mmedina  137453 Feb 22  2022 website.html
mmedina@cis106:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 mmedina mmedina  20K Feb 22  2022 countries.json
-rw-rw-r-- 1 mmedina mmedina 278K Feb 22  2022 csvfile.csv
-rw-rw-r-- 1 mmedina mmedina 747K Feb 22  2022 document.docx
-rw-rw-r-- 1 mmedina mmedina 726K Feb 22  2022 globe.avi
-rw-rw-r-- 1 mmedina mmedina   76 Feb 22  2022 helloWorld.c
-rw-rw-r-- 1 mmedina mmedina 2.5M Feb 22  2022 Linux.pdf
-rw-rw-r-- 1 mmedina mmedina 8.5K Feb 22  2022 sample.xls
-rw-rw-r-- 1 mmedina mmedina  42K Feb 22  2022 Tux.png
-rw-rw-r-- 1 mmedina mmedina 2.1M Feb 22  2022 Ubuntu.pdf
-rw-rw-r-- 1 mmedina mmedina 135K Feb 22  2022 website.html
```

```
mmedina@cis106:~/lab4files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 mmedina mmedina 2.5M Feb 22  2022 Linux.pdf
-rw-rw-r-- 1 mmedina mmedina 2.1M Feb 22  2022 Ubuntu.pdf
-rw-rw-r-- 1 mmedina mmedina 747K Feb 22  2022 document.docx
-rw-rw-r-- 1 mmedina mmedina 726K Feb 22  2022 globe.avi
-rw-rw-r-- 1 mmedina mmedina 278K Feb 22  2022 csvfile.csv
-rw-rw-r-- 1 mmedina mmedina 135K Feb 22  2022 website.html
-rw-rw-r-- 1 mmedina mmedina  42K Feb 22  2022 Tux.png
-rw-rw-r-- 1 mmedina mmedina  20K Feb 22  2022 countries.json
-rw-rw-r-- 1 mmedina mmedina 8.5K Feb 22  2022 sample.xls
-rw-rw-r-- 1 mmedina mmedina   76 Feb 22  2022 helloWorld.c
mmedina@cis106:~/lab4files$ ls -lhSgG
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
```





Question 4

Open a new terminal. What is your present/current working directory? /home/mmedina

Change your present/current working directory to the default directory located inside /usr cd ~/usr/default

Change your present/current working directory to the ipv4 directory located inside /proc cd ~/proc/ipv4

Change your present/current working directory to the previous present/working directory cd -

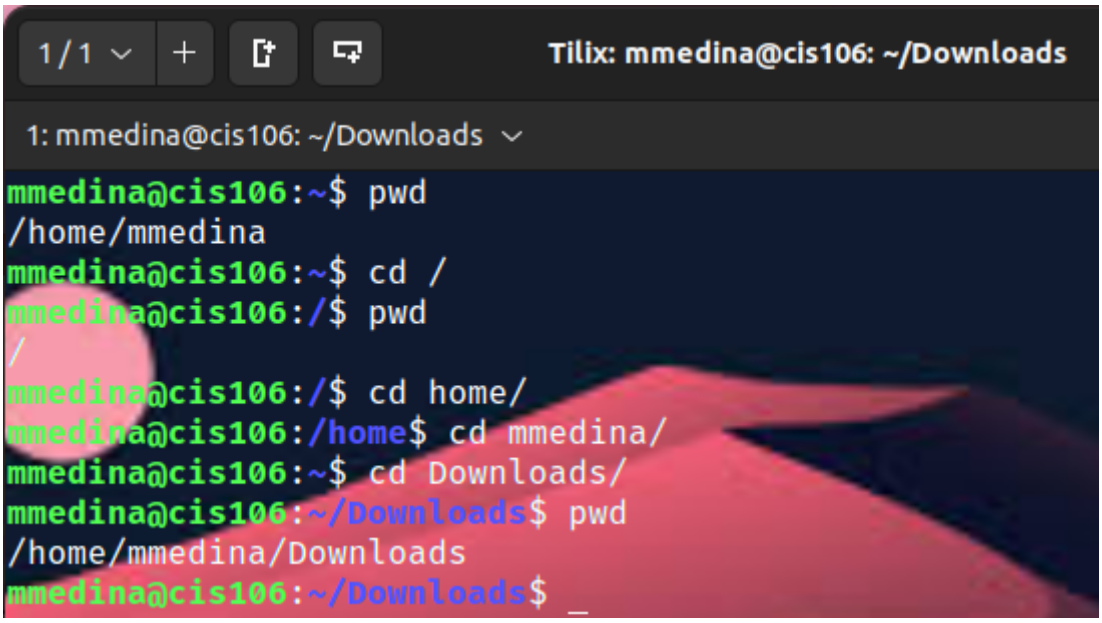
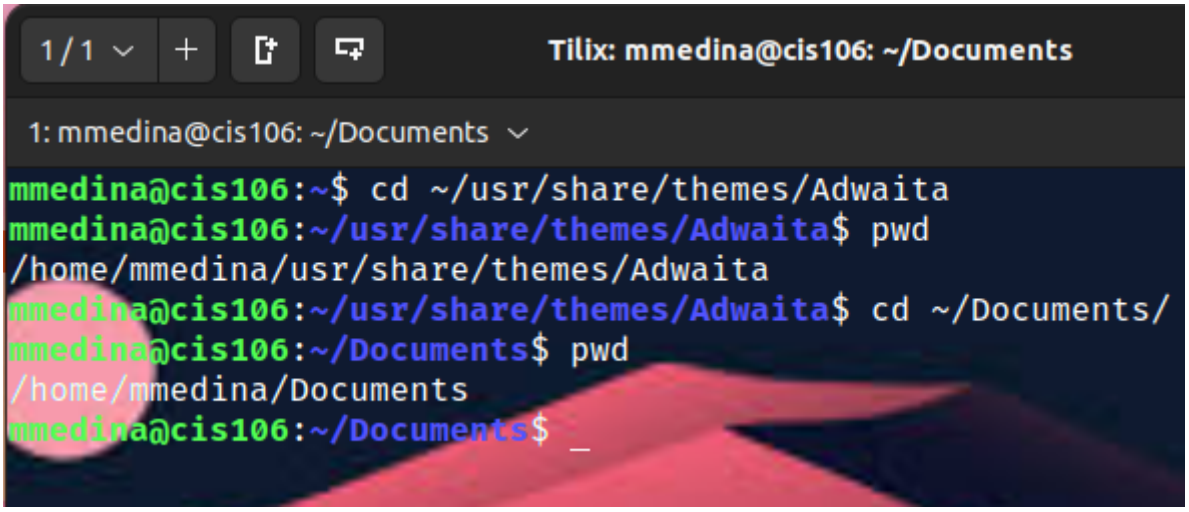
List all the files inside share/backgrounds without changing your present working directory. ls ~/share/backgrounds

List all the files inside your cis106 directory located in YOUR home directory. ls ~/home/mmedina

List all the files inside your Downloads directory. Your present working directory has to be /home before your can list all the files. ls ~/Downloads/

Change your present/current working directory to disk/by-id and from there long list all the files in your home directory including hidden files. cd ~/disk/by-id; ls -1Ra ~/home

List all the files sorted by modification time inside the share/themes directory. ls -t ~/share/themes

List all the files sorted by file extension inside the /usr/share directory. ls -X ~/usr/share

Question 5