Weekly Report 4

Practice from the presentation The Linux File system:

Practice 1:

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             q
                     Tilix: jqaqish@jqaqish-VirtualBox: ~
                                                                          1: jqaqish@jqaqish-VirtualBox: ~ ~
jqaqish@jqaqish-VirtualBox:~$ pwd
/home/jqaqish
jqaqish@jqaqish-VirtualBox:~$ cd /home/jqaqish/Downloads/
jqaqish@jqaqish-VirtualBox:~/Downloads$ pwd
/home/jqaqish/Downloads
jqaqish@jqaqish-VirtualBox:~/Downloads$ cd\...
jqaqish@jqaqish-VirtualBox:~$ cd ..//../
jqaqish@jqaqish-VirtualBox:/$ pwd
jqaqish@jqaqish-VirtualBox:/$ cd -
                                                                                  he
/home/jqaqish
jqaqish@jqaqish-VirtualBox:~$-
```

Practice 2:

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    Applications

               Places
       D†
            다
 1: jqaqish@jqaqish-VirtualBox: ~/practicels 🗸
jqaqish@jqaqish-VirtualBox:~$ wget https://cis106.com/assets/practicels.tar.xz
--2023-03-14 12:00:48-- https://cis106.com/assets/practicels.tar.xz
Resolving cis106.com (cis106.com)... 185.199.108.153
Connecting to cis106.com (cis106.com)|185.199.108.153|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2229212 (2.1M) [application/x-xz]
Saving to: 'practicels.tar.xz'
                  100%[======>]
practicels.tar.xz
                                               2.12M --.-KB/s
                                                                  in 0.09s
2023-03-14 12:00:49 (23.1 MB/s) - 'practicels.tar.xz' saved [2229212/2229212]
jqaqish@jqaqish-VirtualBox:~$ tar Jxf practicels.tar.xz
jqaqish@jqaqish-VirtualBox:~$ cd practicels/
jqaqish@jqaqish-VirtualBox:~/practicels$ ls
              history-debian.pdf movie.mp4
                                                           tux-penguin.gif
countries.xml homework.docx
                                  people.csv tux-nobg.png
jqaqish@jqaqish-VirtualBox:~/practicels$ ls -a
         countries.xml
                             movie.mp4 tux-nobg.png
         history-debian.pdf people.csv tux-penguin.gif
book.txt homework.docx
jqaqish@jqaqish-VirtualBox:~/practicels$ ls -l
total 2932
-rw-rw-r-- 1 jqaqish jqaqish
                              1043 Feb 27 2022 book.txt
                              23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 jqaqish jqaqish
-rw-rw-r-- 1 jqaqish jqaqish 163057 Feb 27 2022 history-debian.pdf
rw-rw-r-- 1 jqaqish jqaqish 111303 Feb 22 2022 homework.docx
rw-rw-r-- 1 jqaqish jqaqish 1570024 Feb 27
                                           2022 movie.mp4
 rw-rw-r-- 1 jqaqish jqaqish 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 jqaqish jqaqish 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 jqaqish jqaqish 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 jqaqish jqaqish
                              44299 Jan 31 2020 tux-penguin.gif
jqaqish@jqaqish-VirtualBox:~/practicels$ ls -lh
total 2.9M
-rw-rw-r-- 1 jqaqish jqaqish 1.1K Feb 27  2022 book.txt
-rw-rw-r-- 1 jqaqish jqaqish 24K Feb 27
                                         2022 countries.xml
-rw-rw-r-- 1 jqaqish jqaqish 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 jqaqish jqaqish 109K Feb 22  2022 homework.docx
-rw-rw-r-- 1 jqaqish jqaqish 1.5M Feb 27  2022 <mark>movie.mp4</mark>
rw-rw-r-- 1 jqaqish jqaqish 278K Feb 27 2022 people.csv
 rw-rw-r-- 1 jqaqish jqaqish 747K Feb 27
                                        2022 song.mp3
-rw-rw-r-- 1 jqaqish jqaqish 21K Feb 27
                                        2022 tux-nobg.png
-rw-rw-r-- 1 jqaqish jqaqish 44K Jan 31 2020 tux-penguin.gif
jqaqish@jqaqish-VirtualBox:~/practicels$ ls -lht
total 2.9M
-rw-rw-r-- 1 jqaqish jqaqish 24K Feb 27
                                             2022 countries.xml
-rw-rw-r-- 1 jqaqish jqaqish 278K Feb 27
                                             2022 people.csv
-rw-rw-r-- 1 jqaqish jqaqish 747K Feb 27
                                             2022 song.mp3
rw-rw-r-- 1 jqaqish jqaqish 1.5M Feb 27
                                             2022 movie.mp4
rw-rw-r-- 1 jqaqish jqaqish 160K Feb 27
                                             2022 history-debian.pdf
 rw-rw-r-- 1 jqaqish jqaqish 21K Feb 27
                                             2022 tux-nobg.png
rw-rw-r-- 1 jqaqish jqaqish 1.1K Feb 27
                                             2022 book.txt
-rw-rw-r-- 1 jqaqish jqaqish 109K Feb 22  2022 homework.docx
-rw-rw-r-- 1 jqaqish jqaqish 44K Jan 31 2020 tux-penguin.gif
jgagish@jgagish-VirtualBox:~/practicels$ ls -lhtgGS
total 2.9M
```

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-rw-rw-r-- 1 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 44K Jan 31 2020 tux-penguin.gif
-rw-rw-r-- 1 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 1.1K Feb 27 2022 book.txt
jqaqish@jqaqish-VirtualBox:~/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv, movie.mp4, homework.docx,
history-debian.pdf, countries.xml, book.txt
jqaqish@jqaqish-VirtualBox:~/practicels$ ls -1X
people.csv
homework.docx
tux-penguin.gif
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
jqaqish@jqaqish-VirtualBox:~/practicels$
       🍅 The Linux File system ... 🔻 🔵 wr4.md - cis106 - Vi... 🗈 🖽 Tilix: jqaqish@jqaqis...
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Practice 3:

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    Applications

                Places
       C†
            1: jqaqish@jqaqish-VirtualBox: ~ ~
jqaqish@jqaqish-VirtualBox:~$ pwd
/home/jgagish
jqaqish@jqaqish-VirtualBox:~$ cd /
jqaqish@jqaqish-VirtualBox:/$ cd usr/share/themes
jqaqish@jqaqish-VirtualBox:/usr/share/themes$ cd ../../
jqaqish@jqaqish-VirtualBox:/usr$ ls -A
       include lib32 libexec local share
       lib
                lib64 libx32 sbin
jgagish@jgagish-VirtualBox:/usr$ cd; ls -tX cis106/
 cheatSheets labs 'week reports'
jqaqish@jqaqish-VirtualBox:~$ ls -rR /cis106/
ls: cannot access '/cis106/': No such file or directory
jgagish@jgagish-VirtualBox:~$ ls -rR cis106/
cis106/:
'week reports'
'cis106/week reports':
wr4-p2.2.png wr4-p1.png wr3.pdf
                                   fs1.3.png
                                              fs1.1.png
wr4-p2.1.png wr4.md
                          wr3.md
                                   fs1.2.png
cis106/labs:
lab4 'lab 3' 'lab 2'
cis106/labs/lab4:
lab4.pdf
              lab4.4.9.png
                            lab4.4.5.png lab4.4.1.png
                                                         lab4.1.png
lab4.md
              lab4.4.8.png lab4.4.4.png lab4.4.10.png lab4.1.2.png
lab4.5.2.png lab4.4.7.png lab4.4.3.png lab4.2.2.png
lab4.5.1.png lab4.4.6.png lab4.4.2.png lab4.2.1.png
'cis106/labs/lab 3':
 wr3.md
                       'Wikipedia Doc 1.odt'
                                                                     lab3.pdf
                                               q1.1.png
'Wikipedia Doc 1.pdf'
                        q2.1.png
                                              'Presentation 1.odp'
                                                                     lab3.md
'cis106/labs/lab 2':
                                    'Question 1.2.png'
                  'Ouestion 2.png'
                                                        'lab 2.md'
 Question 4.png'
                                    'lab 2.pdf'
 Question 3.png'
                  'Question 1.png'
cis106/labs/lab1:
whatisubuntu.txt
                                what-is-ubuntu.pdf
                                                    johndoeresume.pdf
what_is_ubuntu_submission.pdf
                                ubuntu-logo.png
                                                    johndoeresume.md
what_is_ubuntu_submission.md
                                ubuntu-desktop.png
                                                    johndoe.jpeg
what_is_ubuntu_submission.html
                                resume.png
                                                    johndoeinfo.txt
cis106/cheatSheets:
'Linux Workshop Ubuntu Software installation cheat sheet.png'
jqaqish@jqaqish-VirtualBox:~$ ls -lh
total 2.2M
drwxrwxr-x 6 jqaqish jqaqish 4.0K Mar 5 13:15 cis106
drwxr-xr-x 2 jqaqish jqaqish 4.0K Mar 5 09:30 Desktop
drwxr-xr-x 2 jgagish jgagish 4.0K Feb 13 13:24 Documents
```

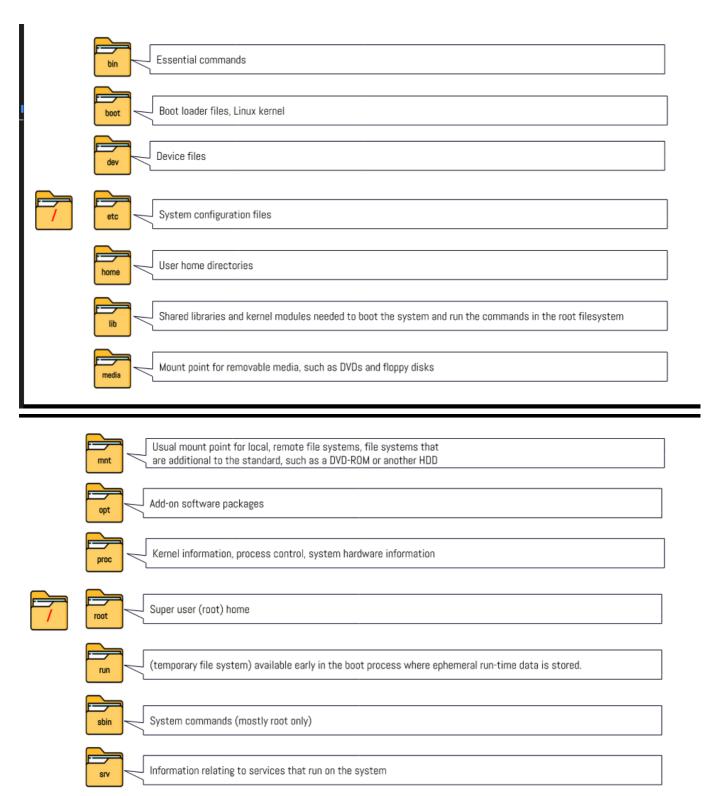
drwxr-xr-x 3 igagish igagish 4.0K Mar 14 11:56 Downloads

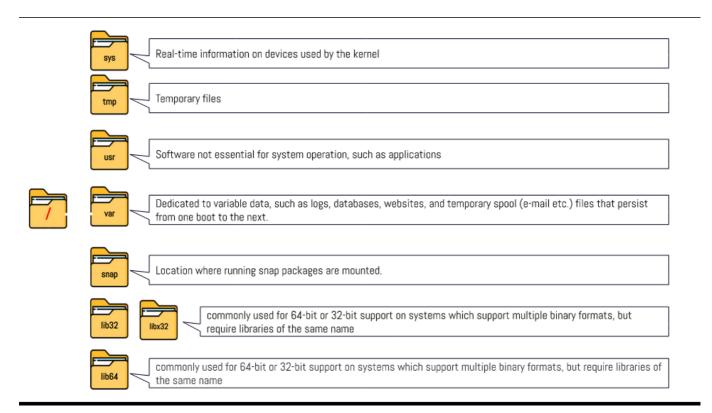
```
-rw-rw-r-- 1 jqaqish jqaqish 91 Feb 14 08:47 gitcommands.txt
drwxrwxr-x 2 jgagish jgagish 4.0K Mar 13 10:32 lab4files
drwxr-xr-x 2 jqaqish jqaqish 4.0K Feb 13 13:24 Music
drwxr-xr-x 5 jqaqish jqaqish 4.0K Mar 7 18:44 Pictures
drwxrwxr-x 2 jgagish jgagish 4.0K Feb 27 2022 practicels
-rw-rw-r-- 1 jqaqish jqaqish 2.2M Feb 21 21:10 practicels.tar.xz
drwxr-xr-x 2 jqaqish jqaqish 4.0K Feb 13 13:24 Public
drwx----- 5 jqaqish jqaqish 4.0K Feb 14 07:48 snap
drwxr-xr-x 2 jgagish jgagish 4.0K Feb 13 13:24 Templates
drwxr-xr-x 3 jqaqish jqaqish 4.0K Mar 7 19:02 Videos
jqaqish@jqaqish-VirtualBox:~$ ls -lgG -full-time
ls: invalid option -- '-'
Try 'ls --help' for more information.
jqaqish@jqaqish-VirtualBox:~$ ls -lgG
total 2232
drwxrwxr-x 6
               4096 Mar 5 13:15 cis106
drwxr-xr-x 2
               4096 Mar 5 09:30 Desktop
drwxr-xr-x 2
               4096 Feb 13 13:24 Documents
               4096 Mar 14 11:56 Downloads
drwxr-xr-x 3
-rw-rw-r-- 1
                 91 Feb 14 08:47 gitcommands.txt
               4096 Mar 13 10:32 lab4files
drwxrwxr-x 2
               4096 Feb 13 13:24 Music
drwxr-xr-x 2
               4096 Mar 7 18:44 Pictures
drwxr-xr-x 5
               4096 Feb 27 2022 practicels
-rw-rw-r-- 1 2229212 Feb 21 21:10 practicels.tar.xz
               4096 Feb 13 13:24 Public
drwxr-xr-x 2
drwx---- 5
               4096 Feb 14 07:48 snap
drwxr-xr-x 2
               4096 Feb 13 13:24 Templates
drwxr-xr-x 3
               4096 Mar 7 19:02 Videos
jqaqish@jqaqish-VirtualBox:~$
          The Linux File system ... 

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The Linux File system directories and their purpose:





All the commands for navigating the filesystem

Command	What it does	Syntax	Example
pwd	prints current directory	pwd	pwd
cd	changes directory	cd	cd /home/jqaqish/
ls	lists files in a directory	ls	ls /share/backgrounds/

Basic terminology

- File system: The way files are stored and organized
- · Current directory: The directory where you are at in the moment
- parent directory: A directory you can move forward to a subdirectory or backwards to the previous directory
- **the difference between your home directory and the home directory: YOUR home directory is in your terminal, THE home directory is the default one. **
- pathname: Something every file has, it indicates the location of the file in the filesystem.
- relative path: the location of a file starting from the current working directory or a directory that is located inside the current working directory.
- absolute path: the location of a file starting at the root of the file system