Linux Commands

1. pwd

Use the pwd command to find out the path of the current working directory (folder) you're in. The command will return an absolute (full) path, which is basically a path of all the directories that starts with a forward slash (/). An example of an absolute path is /home/username.

```
To run a command as administrator (user "root"), use "sudo <command>". See "man sudo_root" for details.

alswarya@alswarya-VirtualBox:~/Desktop/Shell programing$ pwd/home/alswarya/Desktop/Shell programing alswarya@alswarya-VirtualBox:~/Desktop/Shell programing$
```

mkdir

Use the mkdir command to make a new directory — if you type mkdir MCA it will create a directory called MCA.

Is

The Is command is used to view the contents of a directory. By default, this command will display the contents of your current working directory. If you want to see the content of other directories, type Is and then the directory's path.

cd

To navigate through the Linux files and directories, use the cd. It requires either the full path or the name of the directory, depending on the current working directory that you're in.

```
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing... Q = - □ & aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ cd MCA aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing/MCA$ pwd/home/aiswarya/Desktop/Shell programing/MCA aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing/MCA$
```

uname

The uname command, short for Unix Name, will print detailed information about your Linux system like the machine name, operating system, kernel, and so on.

```
aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing... Q = _ _ D & aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing/MCA$ uname Linux aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing/MCA$
```

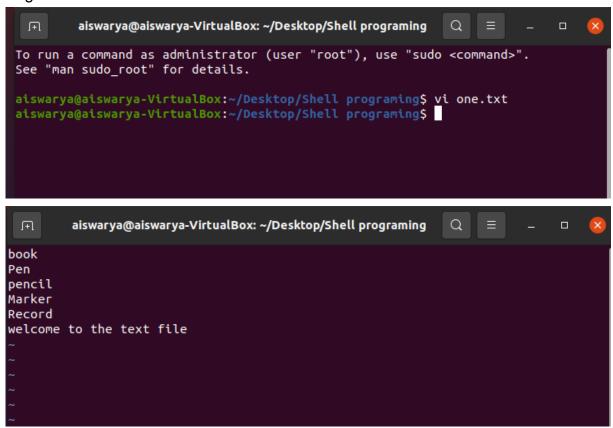
rmdir

If you need to delete a directory, use the rmdir command. However, rmdir only allows you to delete empty directories.

```
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing... Q = - D & aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing/MCA$ rmdir MCA aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing/MCA$ ls ft.txt aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing/MCA$
```

νi

To get a text document



head

The head command is used to view the first lines of any text file. By default, it will show the first ten lines, but you can change this number to your liking. For example, if you only want to show the first three lines, type head -n 3 filename.ext.

tail

This one has a similar function to the head command, but instead of showing the first lines, the tail command will display the last ten lines of a text file. For example, tail -n filename.ext.

```
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing Q = - □ & aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ tail -n 3 one.txt Marker Record welcome to the text file aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$
```

cat

cat (short for concatenate) is one of the most frequently used commands in Linux. It is used to list the contents of a file on the standard output stdout. To run this command, type cat followed by the file's name and its extension. For instance: cat file.txt.

wc

This command is used to find total word count of the file.

```
aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing Q = _ _ _ & aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing$ wc one.txt 6 10 55 one.txt aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing$
```

df

Use df command to get a report on the system's disk space usage, shown in percentage and KBs. If you want to see the report in megabytes, type df -m.

```
aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing
                                                                       Q
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ df
Filesystem
                  1K-blocks
                                  Used Available Use% Mounted on
                                            529604
udev
                      529604
                                                      0% /dev
                                                 tmpfs
                      111756
                                  1268
                                            110488
/dev/sda5
                     9736500 5774700
                                           3447496
tmpfs
                      558776
                                     0
                                            558776
                                              5116
tmpfs
                        5120
                                      4
tmpfs
                      558776
                                      0
                                            558776
tmprs
/dev/loop0
/dev/loop1
/dev/loop2
/dev/loop4
/dev/sda1
                      224256
                                224256
                       56832
                                56832
                                                 0 100% /snap/gtk-common-themes/1514
0 100% /snap/snap-store/518
                       66432
                                 66432
                       52352
                                 52352
                                                 0 100% /snap/snapd/11036
44 1% /boot/efi
                       31872
                                 31872
                                            523244
                      523248
tmpfs 111752 24 111728 1% /run/user/1000
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$
tmpfs
```

If you want to check how much space a file or a directory takes, the du (Disk Usage) command is the answer. However, the disk usage summary will show disk block numbers instead of the usual size format. If you want to see it in bytes, kilobytes, and megabytes, add the -h argument to the command line.

```
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing Q = - D Saiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ du
8 ./MCA
168 .
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$
```

touch

The touch command allows you to create a blank new file through the Linux command line.

history

When you've been using Linux for a certain period of time, you'll quickly notice that you can run hundreds of commands every day. As such, running history command is particularly useful if you want to review the s you've entered before.

```
aiswarya@aiswarya-VirtualBox: ~/Desktop/Shell programing
aiswarya@aiswarya-VirtualBox:~/Desktop/Shell programing$ history
      vi hello.txt
      sh hello.sh
vi hello.sh
      sh hello.sh
      vi hello.sh
       sh hello.sh
      vi hello.sh
      sh hello.sh
      vi hello.sh
sh hello.sh
   10
   11
       vi hello.sh
      sh hello.sh
  13
  14
       vi sum.sh
       sh sum.sh
       vi div.sh
```

ps

Ps command will display all current processes along with their process ids (PID) . Read manuals for various options.