Activity 1 Basic Commands

Steps

Login to your machine.

1. **pwd** - It tells you about your present working directory.

```
[nishant@ip-172-16-1-243 ~]$ pwd
/home/nishant
```

   Here /home/nishant is the present working directory.

2. **cd -** Use to switch between directories.

   Let's switch to /tmp directory and check the pwd command again.

```
[nishant@ip-172-16-1-243 ~]$ cd /tmp
[nishant@ip-172-16-1-243 tmp]$ pwd
/tmp
```

3. whoami – It tells you about the username from which you are logged in currently.

```
[nishant@ip-172-16-1-243 tmp]$ whoami
nishant
```

   If I **logout** from user "nishant" it will take me to the default login user.

```
[nishant@ip-172-16-1-243 tmp]$
logout
[ec2-user@ip-172-16-1-243 ~]$ pwd
/home/ec2-user
[ec2-user@ip-172-16-1-243 ~]$
```

4. **ls** – it is used to list files and folders(directories) in your current directory.
   To do that lets switch to directory / and run ls to show the content of it.

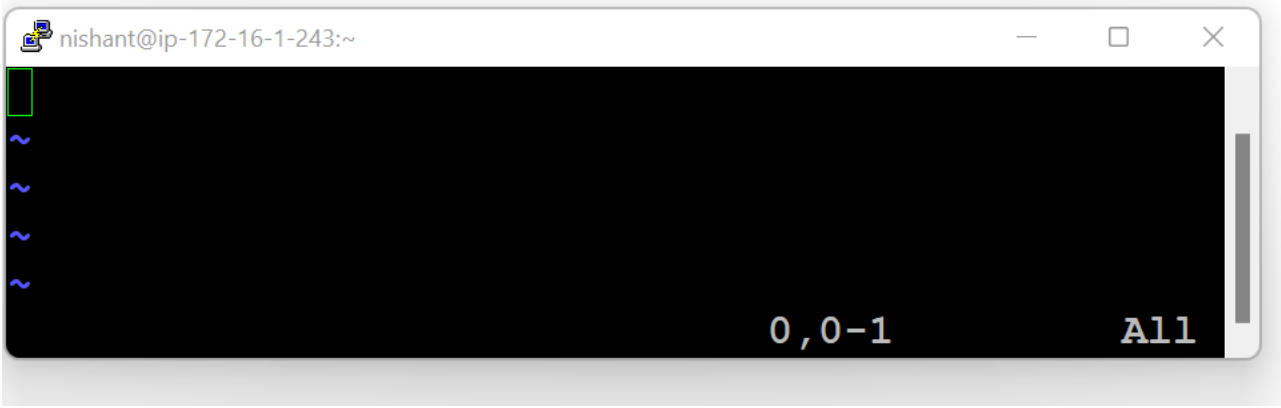
```
[ec2-user@ip-172-16-1-243 ~]$ cd /
[ec2-user@ip-172-16-1-243 /]$ ls
bin   dev  home  lib64  media  opt   root  sbin  sys  usr
boot  etc  lib   local  mnt    proc  run   srv   tmp  var
```

we can list with more details with option l & a, **option 'l'** will give more info about the files and directories and **option 'a**' will show hidden files as well.

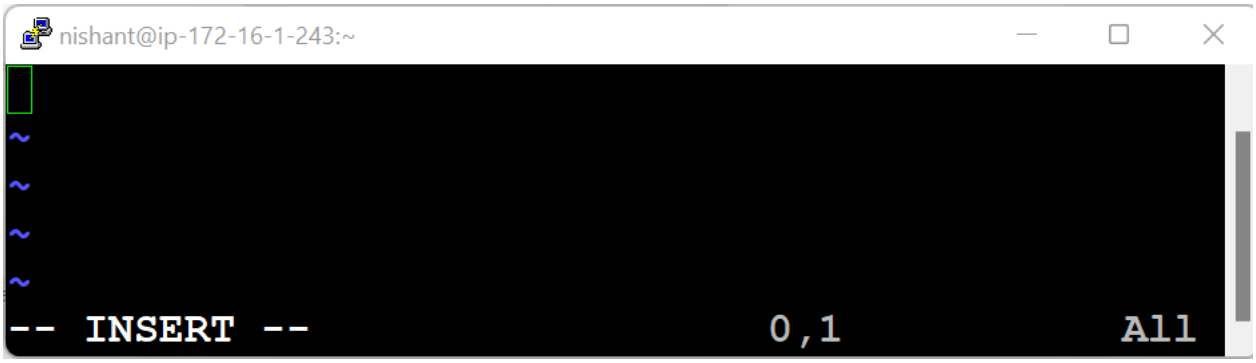
```
[ec2-user@ip-172-16-1-243 /]$ ls -la
total 32
dr-xr-xr-x.   18 root root   237 Mar 28 07:08 .
dr-xr-xr-x.   18 root root   237 Mar 28 07:08 ..
lrwxrwxrwx.    1 root root     7 Jan 30  2023 bin -> usr/bin
dr-xr-xr-x.    5 root root 16384 Mar 21 02:03 boot
drwxr-xr-x.   15 root root  3040 Mar 28 07:07 dev
drwxr-xr-x.   78 root root 16384 Apr  1 16:59 etc
drwxr-xr-x.    4 root root    37 Apr  1 16:58 home
```

It covers information like permissions, username, group name, etc.

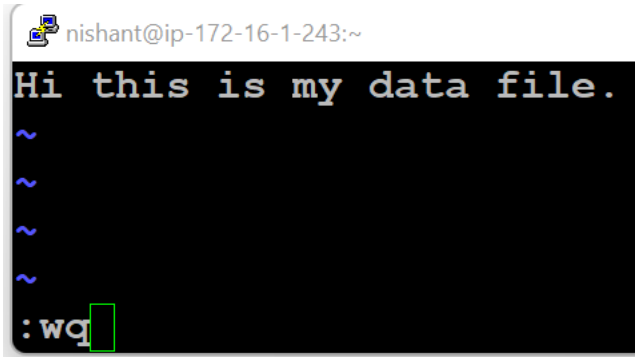
5. vi - It's an editor, used to write, read, & modify a file.
   let's create one file name data.txt **#vi data.txt**
   below terminal will be opened.



Now you are in command mode. To write some data in this, enable insert mode by pressing 'i' button.

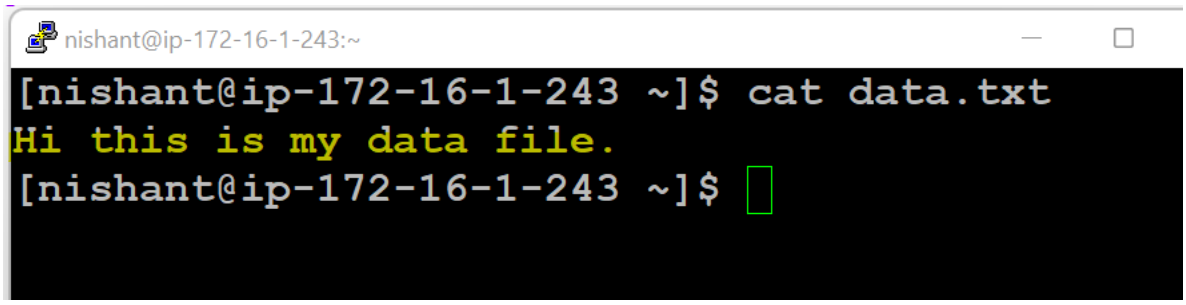


Now write 'Hi this is my data file'
Now press Esc to switch back to commands mode.
Now press **:wq** and hit enter :w to save the file and :q to exit from vi editor



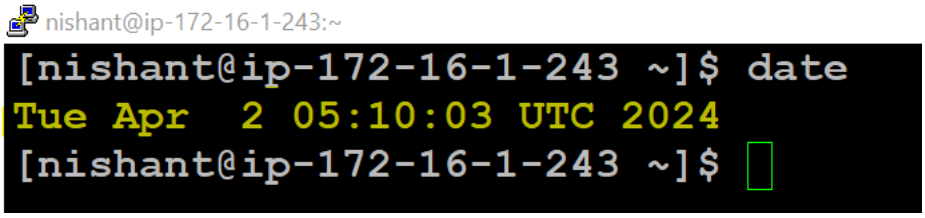
6. **cat -** it displays the content of the files. In previous command we created a file & entered data in it, now with help of cat command we can read it's content without opening the file in the editing mode.

#cat data.txt



7. **clear** - it will clear your screen.

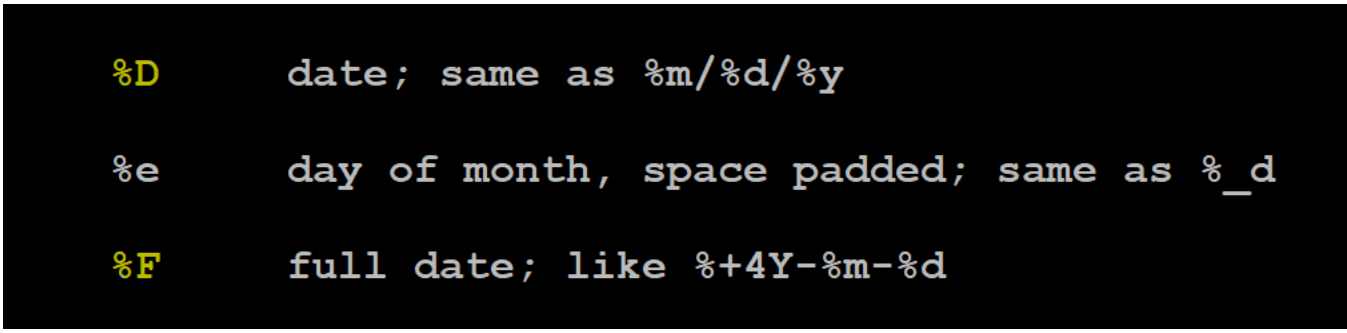
8. **date -** it will show system date and time.



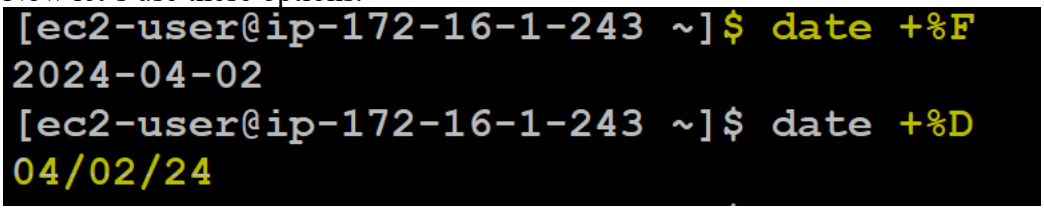
9. **man -** it will show manual for each command. Example, in above date commands its output includes time as well, what if you want only date ?

   for this we will use man command, it will show us some options.

   # man date



Now let's use these options.



10. **exit -** To logout from the shell.