

1. whoami → Display the username

```
aditya@ubuntu:~$ whoami
aditya
aditya@ubuntu:~$
```

2. hostname → Displays the hostname

```
aditya@ubuntu:~$ hostname
ubuntu
aditya@ubuntu:~$
```

3. ls → Displays the list of directories

```
aditya@ubuntu:~$ ls -al
total 136
drwxr-x--- 25 aditya aditya 4096 Sep 28 03:57 .
drwxr-xr-x  1 root  root   4096 Sep  7 22:22 ..
-rw-----  1 aditya aditya 4176 Sep 26 16:49 .bash_history
-rw-r--r--  1 aditya aditya  220 Sep  7 22:22 .bash_logout
-rw-r--r--  1 aditya aditya 3771 Sep  7 22:22 .bashrc
drwx----- 13 aditya aditya 4096 Sep  8 13:17 .cache
drwx----- 19 aditya aditya 4096 Sep 19 16:32 .config
```

4. ls -la → Displays the list of directories including hidden files and other details

```
aditya@ubuntu:~$ ls -al
total 136
drwxr-x--- 25 aditya aditya 4096 Sep 28 03:57 .
drwxr-xr-x  1 root  root   4096 Sep  7 22:22 ..
-rw-----  1 aditya aditya 4176 Sep 26 16:49 .bash_history
-rw-r--r--  1 aditya aditya  220 Sep  7 22:22 .bash_logout
-rw-r--r--  1 aditya aditya 3771 Sep  7 22:22 .bashrc
drwx----- 13 aditya aditya 4096 Sep  8 13:17 .cache
drwx----- 19 aditya aditya 4096 Sep 19 16:32 .config
```

5. pwd → Displays the current working directory

```
aditya@ubuntu:~$ pwd
/home/aditya
aditya@ubuntu:~$
```

6. cd <dir name> → To access the directory

```
aditya@ubuntu:~/OS_COM_312$ cd
aditya@ubuntu:~$ mv -b r.txt OS_COM_312
aditya@ubuntu:~$ cd OS_COM_312
aditya@ubuntu:~/OS_COM_312$ ls -l
total 24
-rw-rw-r-- 1 aditya aditya  13 Sep  8 14:22 08-07-22
drwxrwxr-x 2 aditya aditya 4096 Sep 12 15:48 OS_1
drwxrwxr-x 2 aditya aditya 4096 Sep 12 15:52 OS_2
drwxrwxr-x 2 aditya aditya 4096 Sep 12 15:52 OS_3
-rw-rw-r-- 1 aditya aditya   0 Sep 12 15:48 q.txt
-rw-rw-r-- 1 aditya aditya   6 Sep 12 16:02 r.txt
-rw-rw-r-- 1 aditya aditya   8 Sep 12 16:01 r.txt~
-rw-rw-r-- 1 aditya aditya   0 Sep 12 15:48 t.txt
aditya@ubuntu:~/OS_COM_312$
```

7. cd .. → To go back to the previous directory

```
aditya@ubuntu:~/OS_COM_312$ cd ..
aditya@ubuntu:~$
```

8 . touch <filename> → To create a file

```
aditya@ubuntu:~$ touch v1.txt
aditya@ubuntu:~$ ls
2.txt~ Desktop Music Pictures Videos delete snap
3.txt~ Documents OS3 Public aaaa dir1 szx
AD Downloads OS_COM_312 Templates d.txt~ f1.txt v1.txt
```

9. vi/nano <filename> → Creates a file and open in write mode

```
GNU nano 6.2 f1.txt
MIET
hello
tried
ok
```

10. cat <filename> → Displays the content in the file

```
aditya@ubuntu:~$ cat newfile.txt | more
MIET
Operating System
aditya@ubuntu:~$
```

11. mkdir <dirname> → Creates a directory

```
aditya@ubuntu:~$ mkdir ABC
aditya@ubuntu:~$ ls
ABC Desktop Downloads OS3 Pictures Templates aaaa dir1 szx
AD Documents Music OS_COM_312 Public Videos delete snap
aditya@ubuntu:~$
```

12. `mkdir -v <dirname>` → Creates a directory and displays the status

```
aditya@ubuntu:~$ mkdir -v ZXC
mkdir: created directory 'ZXC'
aditya@ubuntu:~$
```

13 . `mkdir -p <dirname/dirname2>` → Creates a directory within a directory

```
aditya@ubuntu:~$ mkdir -p dir1/dir2
aditya@ubuntu:~$ ls -l
total 72
-rw-rw-r-- 1 aditya aditya  9 Sep 19 15:47
-rw-rw-r-- 1 aditya aditya 27 Sep 19 15:53
```

14. `rm <filename>` → To remove/delete a file

```
aditya@ubuntu:~$ mv d.txt Desktop
aditya@ubuntu:~$ cd Desktop
aditya@ubuntu:~/Desktop$ ls
d.txt
aditya@ubuntu:~/Desktop$
```

15. `rmdir -r` → To remove/delete a directory

```
buntu:~$ rm -r OS
buntu:~$ ls
Desktop      Downloads  OS3         Pictures
Documents   Music      OS_COM_312  Public
buntu:~$
```

16. mv <filename> <newname> → To rename a file

```
aditya@ubuntu:~$ mv f1.txt f2.txt
aditya@ubuntu:~$ ls -l
total 84
-rw-rw-r-- 1 aditya aditya  9 Sep 19 15:47 2.txt~
-rw-rw-r-- 1 aditya aditya 27 Sep 19 15:53 3.txt~
drwxr-xr-x 2 aditya aditya 4096 Sep  8 13:18 Desktop
```

17. mv <filename> <path> → To move a file from a directory to a specified directory

```
aditya@ubuntu:~$ mv d.txt Desktop
aditya@ubuntu:~$ cd Desktop
aditya@ubuntu:~/Desktop$ ls
d.txt
aditya@ubuntu:~/Desktop$
```

18. cp<source><destination> - To copy the content of file to a new/existing file

```

aditya@ubuntu:~$ touch 1.txt
aditya@ubuntu:~$ cp 1.txt 2.txt
aditya@ubuntu:~$ ls -l
total 48
-rw-rw-r-- 1 aditya aditya 0 Sep 19 15:30 1.txt
-rw-rw-r-- 1 aditya aditya 0 Sep 19 15:30 2.txt
drwxr-xr-x 2 aditya aditya 4096 Sep  8 13:18 Desktop
drwxr-xr-x 2 aditya aditya 4096 Sep  7 22:58 Documents
drwxr-xr-x 4 aditya aditya 4096 Sep  7 23:14 Downloads

```

20. cat-n – Shows the number with each line in a file

```

aditya@ubuntu:~$ cat -n c.txt
 1 Hello
 2 ABC
 3 Bye

```

21. tac – Shows the content of a file in reverse order

```

aditya@ubuntu:~$ nano s.txt
aditya@ubuntu:~$ tac s.txt
fsh
sjfdhsuk
az
az

```

22. cat <file1> >> file2 - displays the content of both files in file 2

```

aditya@ubuntu:~$ nano s.txt
aditya@ubuntu:~$ cat x.txt z.txt > s.txt
aditya@ubuntu:~$ cat s.txt
az
az

```

23. rm <filename> - used to delete a file from system

```

aditya@ubuntu:~$ rm c.txt
aditya@ubuntu:~$ ls
ABC      Documents  OS3       Public
AD       Downloads  OS_COM_312 Templates
Desktop  Music      Pictures   Videos

```

