

### 1. Whoami : To display username

```
ayush@ayush-VirtualBox:~$ whoami
ayush
ayush@ayush-VirtualBox:~$
```

### 2. hostname:To display hostname

```
ayush@ayush-VirtualBox:~$ hostname
ayush-VirtualBox
ayush@ayush-VirtualBox:~$
```

### 3. ls : To display the list of directories

```
ayush@ayush-VirtualBox:~$ ls
abcd      ayush.txt  depy.copy  farse      gas         ghujjj.txt  JSJSKSK  Pictures  sjsjhj    touch      wjwj.txt.save
aggag     ayu.txt    Desktop    farse.txt  gffcfv     hahah      jsjsjj   ppt       snap      uu          yass
ajja.txt  bas        Documents  farz.txt   ggg        hast        ju        ppt       std_err_out vass       yat
ancd      cat        Downloads  fasal.txt  ggoggg     hasuu      kas       Public    tare      vaw        you
as        cpu.info   es         fass       gghggg     hhhh       basic     ras       tas.txt   veer
AVU       dast.txt   error_file gane       ggiv       hshsh2     myfile    rasd      Templates Videos
ayush.sh  depy       fah        gane       gh         ikhj2      naw       share     tfas      wjwj.txt
ayush@ayush-VirtualBox:~$
```

### 4. ls -al : list of all all directories including the hidden files and other details.

```
ayush@ayush-VirtualBox:~$ ls -al
total 85968
-rw-rw-r-- 1 ayush ayush    0 Oct 12 19:09 .
drwxr-xr-x 32 ayush ayush 4096 Oct 12 19:23 ..

-rw-r--r-- 1 ayush ayush    0 Sep 11 13:37 .sudo_as_admin_successful
-rw-r----- 1 ayush ayush 12288 Oct 8 19:51 .swp
drwxrwxr-x 2 ayush ayush 4096 Oct 8 18:18 tare
-rw-rw-r-- 1 ayush ayush    0 Oct 8 18:03 tas.txt
drwxr-xr-x 2 ayush ayush 4096 Sep 11 13:05 Templates
-rw-rw-r-- 1 ayush ayush 253 Oct 8 15:54 tfas
drwx----- 6 ayush ayush 4096 Oct 7 10:50 thunderbird
-rw-rw-r-- 1 ayush ayush    9 Oct 8 19:05 touch
-rw-r----- 1 ayush ayush 12288 Oct 8 19:26 .uo.swp
-rw-rw-r-- 1 ayush ayush    0 Oct 12 05:47 uu
drwxrwxr-x 2 ayush ayush 4096 Oct 8 18:37 vass
-rw-rw-r-- 1 ayush ayush    4 Oct 8 16:34 vaw
-rw-r----- 1 ayush ayush    5 Oct 12 03:24 .vboxclient-clipboard.pid
-rw-r----- 1 ayush ayush    5 Oct 12 03:24 .vboxclient-display-svga-x11.pid
-rw-r----- 1 ayush ayush    5 Oct 12 03:24 .vboxclient-draganddrop.pid
-rw-r----- 1 ayush ayush    5 Oct 12 03:24 .vboxclient-seamless.pid
-rw-rw-r-- 1 ayush ayush    4 Oct 8 18:10 veer
drwxr-xr-x 2 ayush ayush 4096 Sep 11 13:05 Videos
-rw-r----- 1 ayush ayush 801 Oct 12 18:29 .vminfo
-rw-rw-r-- 1 ayush ayush 22 Oct 12 08:22 wjwj.txt
-rw-rw-r-- 1 ayush ayush 118 Oct 12 08:35 wjwj.txt.save
drwxrwxr-x 4 ayush ayush 4096 Oct 8 18:38 yass
-rw-rw-r-- 1 ayush ayush 73 Oct 12 03:59 yat
-rw-rw-r-- 1 ayush ayush    4 Oct 8 16:34 you
-rw-r----- 1 ayush ayush 12288 Oct 8 19:26 .youname.swp
ayush@ayush-VirtualBox:~$
```

### 5. pwd : To display the present working directory

```
ayush@ayush-VirtualBox:~$ pwd
/home/ayush
ayush@ayush-VirtualBox:~$
```

### 6. cd <directory name> : To access the directory

```
ayush@ayush-VirtualBox:~$ cd /kas
ayush@ayush-VirtualBox:~/kas$
ayush@ayush-VirtualBox:~/kas$
```

### 7. cd .. : To back to the previous directory

```
ayush@ayush-VirtualBox:~/kas$ cd ..
ayush@ayush-VirtualBox:~$ cd kas/
ayush@ayush-VirtualBox:~/kas$
```

8. touch <file name > : To create a file

```
ayush@ayush-VirtualBox: ~/kas$ touch file.txt
ayush@ayush-VirtualBox: ~/kas$ ls
file.txt  kp
ayush@ayush-VirtualBox: ~/kas$
```

9. vi /nano: create a file and open in write mode

```
ayush@ayush-VirtualBox: ~/kas$ nano newfile.txt

GNU nano 6.2 newfile.txt
hello users
```

10. cat <file name> : Display the content in file

```
ayush@ayush-VirtualBox: $ cat hhh
how are you
ayush@ayush-VirtualBox: $
```

11. mkdir < directory name >: create a directory

```
ayush@ayush-VirtualBox: $ mkdir many
ayush@ayush-VirtualBox: $ ls
ayush.txt  Desktop  farse.txt  ggg      hasuuu  kas      Public  tas.txt  Videos
abcd       ayu.txt  dir        gggggg   hdhh    many     ras     Templates  wjwj.txt
```

12 . mkdir -p<dirname1/dirname2>: create a directory with in a directory

```
ayush@ayush-VirtualBox: $ mkdir -p many/s3/s2
ayush@ayush-VirtualBox: $ cd many
ayush@ayush-VirtualBox: ~/many$ ls
s3
ayush@ayush-VirtualBox: ~/many$ cd s3
ayush@ayush-VirtualBox: ~/many/s3$ ls
s2
ayush@ayush-VirtualBox: ~/many/s3$ cd s2
ayush@ayush-VirtualBox: ~/many/s3/s2$ ls
ayush@ayush-VirtualBox: ~/many/s3/s2$
```

13. rm <filename>: to remove/delete a file

```
ayush@ayush-VirtualBox: $ ls
ayush.txt  Desktop  farse.txt  ggg      hasuuu  kas      Public  std_err_out  vaw
ayush@ayush-VirtualBox: $ rm ayush.txt
ayush@ayush-VirtualBox: $ ls
1  ayu.txt  dir        farz.txt  gggggg   hdhh    many     ras     tare     veer
abcd  bas     documents  fasal.txt  gghhg    hhh     Basic    rasd    tas.txt  Videos
aggag  cat     Downloads  fasa      ggvv     hshhsh2  myfile  sa       Templates  wjwj.txt
ajja.txt  cpu.info  error_file  gane      ghujjj.txt  JSJSKSK  Pictures  share  touch  yass
ayush.sh  depy.copy  farse      gffcfv    hast      ju       ppt       snap   vass   you
ayush@ayush-VirtualBox: $
```

14. rmdir < dirname>: to remove or delete a directory

```
ayush@ayush-VirtualBox: $ rmdir varun/
ayush@ayush-VirtualBox: $ ls
1  ayu.txt  dir        farz.txt  gggggg   hdhh    many     ras     std_err_out  vass   you
abcd  bas     documents  fasal.txt  qghhg    hhh     Basic    rasd    tare     vaw
```

15. mv <filename> <filename > : to rename a file

```
ayush@ayush-VirtualBox: $ touch file1.txt file2.txt
ayush@ayush-VirtualBox: $ ls
1  ayu.txt  dir        farz.txt  gffcfv    hast      ju       ppt       snap   touch  yass
abcd  bas     documents  fasal.txt  qgg      hasuuu   kas      Public  sa     uuuy   vat
```

```
Documents  fasal.txt  ggg      hasuuu  kas      Public  so      uu      yat
Downloads  fass      gggggg  hdhh    many    ras     std_err_out  vass    you
ea         file      gghggg  hhh     Music   rasd    tare     vaw
error_file file1.txt ggvv    hshhsh2 myfile  s2      tas.txt  veer
fah        file2.txt gh      ikhjj   naw     s3      Templates Videos
```

```
ayush@ayush-VirtualBox:~$ mv file1.txt file2.txt
ayush@ayush-VirtualBox:~$ ls
1      ayu.txt  dir      farz.txt  ggg      hasuuu  kas      Public  so      uu      yat
abcd   bas      Documents fasal.txt  gggggg  hdhh    many    ras     std_err_out  vass    you
```

```
.txt  dir      Documents  farz.txt  ggg      hasuuu  kas      Public  so      uu      y
Downloads  fass      gggggg  hdhh    many    ras     std_err_out  vass    y
ea         file      gghggg  hhh     Music   rasd    tare     vaw
error_file file1.txt ggvv    hshhsh2 myfile  s2      tas.txt  veer
fah        file2.txt gh      ikhjj   naw     s3      Templates Videos
v          fah      ggg      hshhsh2 myfile  s2      tas.txt  veer
v          fah      ggg      hshhsh2 myfile  s2      tas.txt  veer
```

16. `cp <source name> <destination>`:

To copy the content of file to new file

```
ayush@ayush-VirtualBox:~$ cp file1.txt file2.txt
ayush@ayush-VirtualBox:~$ ls
1      ayu.txt  dir      farz.txt  gffcfv  hast  ju      ppt  snap  touch  yass
abcd   bas      Documents fasal.txt  ggg      hasuuu  kas      Public  so      uu      yat
aggag  cat      Downloads  fass      gggggg  hdhh    many    ras     std_err_out  vass    you
```

```
ayush@ayush-VirtualBox:~$ ls
ayu.txt  dir      farz.txt  gffcfv  hast  ju      ppt  snap  touch
bas      Documents fasal.txt  ggg      hasuuu  kas      Public  so      uu
cat      Downloads  fass      gggggg  hdhh    many    ras     std_err_out  vass
cpu_info  ea         file      gghggg  hhh     Music   rasd    tare     vaw
dast.txt  error_file file1.txt ggvv    hshhsh2 myfile  s2      tas.txt  veer
depy      fah        file2.txt gh      ikhjj   naw     s3      Templates Videos
```

17. `cp -v` : show the execution and details of command

```
ayush@ayush-VirtualBox:~$ cp -v file1.txt -> file2.txt
ayush@ayush-VirtualBox:~$
```

18. `cat -n` : shows the number with each line in file

```
ayush@ayush-VirtualBox:~$ nano file1.txt
ayush@ayush-VirtualBox:~$ cp file1.txt file2.txt
ayush@ayush-VirtualBox:~$ cat -n file2.txt
1  how are you
ayush@ayush-VirtualBox:~$ nano file1.txt
```

19. `tac` or `tail -r` : shows the content of file in reverse order

```
ayush@ayush-VirtualBox:~$ nano file1.txt
ayush@ayush-VirtualBox:~$ tac -r file1.txt
long
how
```

20. `cat <file1> >>`

`<file2>`: to display the content of both files in file 2

```
ayush@ayush-VirtualBox:~$ cat file1.txt >> file2.txt
ayush@ayush-VirtualBox:~$ cat file2.txt
how
long
how
long
how
long
```

21. `rm <filename>` : used to remove a file from the system

```
ayush@ayush-VirtualBox:~$ rm file1.txt
ayush@ayush-VirtualBox:~$ ls
-      ayush.sh  Desktop  farse.txt  gffcfv  hast  ju      ppt  snap  touch  yass
1      ayu.txt  dir      farz.txt  ggg      hasuuu  kas      Public  so      uu      yat
```