

1. whoami : Display the username

```
rishi07@rishi07-VirtualBox:~$ whoami  
rishi07  
rishi07@rishi07-VirtualBox:~$
```

2. hostname : Display the hostname

```
rishi07@rishi07-VirtualBox:~$ hostname  
rishi07-VirtualBox  
rishi07@rishi07-VirtualBox:~$
```

3. ls : Display the list of directories

```
rishi07@rishi07-VirtualBox:~$ ls
Desktop  f2.txt  file2  Music  Public  shop  y
dir1     f3.txt  folder2 nano.2275.save race    snap
Documents f4.txt  folder3 newfile read    super
Downloads f5.txt  g1.txt  newfile.txt rishi  Templates
f1.txt   file1   king    Pictures rishu.txt Videos
```

4. ls-la : Display the list of directories including hidden files and other details

```
rishi07@rishi07-VirtualBox:~$ ls -la
total 112
drwxr-x--- 20 rishi07 rishi07 4096 Sep 28 23:08 .
drwxr-xr-x  3 root    root    4096 Sep 15 08:02 ..
-rw-----  1 rishi07 rishi07 1147 Sep 28 23:10 .bash_history
-rw-r--r--  1 rishi07 rishi07  220 Sep 15 08:02 .bash_logout
-rw-r--r--  1 rishi07 rishi07 3771 Sep 15 08:02 .bashrc
-rw-rw-r--  1 rishi07 rishi07    0 Sep 28 20:24 brake
drwx----- 12 rishi07 rishi07 4096 Sep 28 20:33 .cache
drwx----- 13 rishi07 rishi07 4096 Sep 28 23:23 .config
drwxr-xr-x  2 rishi07 rishi07 4096 Sep 15 08:12 Desktop
drwxrwxr-x  3 rishi07 rishi07 4096 Sep 28 20:44 dir1
drwxr-xr-x  2 rishi07 rishi07 4096 Sep 15 08:12 Documents
drwxr-xr-x  2 rishi07 rishi07 4096 Sep 15 08:12 Downloads
-rw-rw-r--  1 rishi07 rishi07    0 Sep 28 22:38 f1.txt
-rw-rw-r--  1 rishi07 rishi07    0 Sep 28 20:27 f2.txt
-rw-rw-r--  1 rishi07 rishi07    0 Sep 28 20:56 file1
-rw-rw-r--  1 rishi07 rishi07    0 Sep 28 23:07 file2
-rw-rw-r--  1 rishi07 rishi07    20 Sep 28 23:04 g1.txt
drwx-----  2 rishi07 rishi07 4096 Sep 28 23:17 .gnupg
-rw-rw-r--  1 rishi07 rishi07    0 Sep 28 20:24 king
drwx-----  3 rishi07 rishi07 4096 Sep 15 08:11 .local
drwxr-xr-x  2 rishi07 rishi07 4096 Sep 15 08:12 Music
-rw-----  1 rishi07 rishi07   21 Sep 28 20:39 nano.2275.save
-rw-rw-r--  1 rishi07 rishi07    0 Sep 28 22:45 newfile
-rw-rw-r--  1 rishi07 rishi07   25 Sep 28 23:06 newfile.txt
drwxr-xr-x  3 rishi07 rishi07 4096 Sep 28 20:32 Pictures
-rw-r--r--  1 rishi07 rishi07  807 Sep 15 08:02 .profile
drwxr-xr-x  2 rishi07 rishi07 4096 Sep 15 08:12 Public
```

5. pwd : Display the current working directory

```
rishi07@rishi07-VirtualBox:~$ pwd  
/home/rishi07  
rishi07@rishi07-VirtualBox:~$
```

6. `cd<dir name>` : To access the directory

```
rishi07@rishi07-VirtualBox:~$ cd Desktop
rishi07@rishi07-VirtualBox:~/Desktop$ cd
rishi07@rishi07-VirtualBox:~$
```

7. `cd ..` : To go back to the previous directory

```
07@rishi07-VirtualBox:~/Desktop$ cd ..  
07@rishi07-VirtualBox:~$
```

8. cd : To go to home directory

```
07@rishio7-VirtualBox:~/Desktop$ cd  
07@rishio7-VirtualBox:~$
```


9. `cd <path>` : To open a particular directory using path

```
rishi07@rishi07-VirtualBox:~$ cd Desktop  
rishi07@rishi07-VirtualBox:~/Desktop$ cd
```

10. touch <filename> : To create a file

```
rishi07@rishi07-VirtualBox:~$ touch rishu.txt
rishi07@rishi07-VirtualBox:~$ ls
brake      f1.txt    folder2  nano.2275.save  race      snap
Desktop    f2.txt    folder3  newfile         read      super
dir1       file1     g1.txt   newfile.txt     rishi     Templates
Documents  file2     king     Pictures        rishu.txt Videos
Downloads  folder1   Music    Public          shop      y
rishi07@rishi07-VirtualBox:~$
```

11. touch<filename> {from..to} : To create multiple file instantly

```
rishi07@rishi07-VirtualBox:~$ touch f{1..5}.txt
rishi07@rishi07-VirtualBox:~$ ls
brake      f1.txt    file1     g1.txt          newfile.txt  rishi    Templates
Desktop    f2.txt    file2     king            Pictures     rishu.txt Videos
dir1       f3.txt    folder1   Music          Public       shop      y
Documents  f4.txt    folder2   nano.2275.save  race        snap
Downloads  f5.txt    folder3   newfile        read        super
```

12. `vi/nano<filename>` : Create a file and open in write mode

```
rishi07@rishi07-VirtualBox:~$ nano newfile.txt
rishi07@rishi07-VirtualBox:~$
```

```
GNU nano 6.2      New Buffer *
Welcome
To
Miet
22
```

13. `cat<filename>` : Displays the content in the file

```
rishi07@rishi07-VirtualBox:~$ cat newfile.txt  
This  
is  
Operating  
System  
rishi07@rishi07-VirtualBox:~$
```

14. mkdir<dirname> : Creates a directory

```
rishi07@rishi07-VirtualBox:~$ mkdir folder1
rishi07@rishi07-VirtualBox:~$ ls
brake      f1.txt    file1     g1.txt    newfile.txt  rishi    Templates
Desktop    f2.txt    file2     king      Pictures     rishu.txt Videos
dir1       f3.txt    folder1   Music     Public       shop     y
```

15.mkdir -v<dirname> : Creates a directory and displays the status

```
rishi07@rishi07-VirtualBox:~$ mkdir -v folder
mkdir: created directory 'folder'
rishi07@rishi07-VirtualBox:~$
```

16. `mkdir -p <dirname/dirname2>` : Create a directory within a directory

```
rishi07@rishi07-VirtualBox:~$ mkdir -p folder1/folder2/folder3
rishi07@rishi07-VirtualBox:~$ ls
brake      f1.txt  file1   folder3      newfile      read      super
Desktop    f2.txt  file2   g1.txt       newfile.txt  rishi     Templates
dir1       f3.txt  folder  king         Pictures     rishu.txt Videos
Documents  f4.txt  folder1 Music        Public       shop        y
Downloads  f5.txt  folder2 nano.2275.save race         snap
rishi07@rishi07-VirtualBox:~$ cd folder1
rishi07@rishi07-VirtualBox:~/folder1$ ls
folder2
rishi07@rishi07-VirtualBox:~/folder1$ cd folder2
rishi07@rishi07-VirtualBox:~/folder1/folder2$ ls
folder3
rishi07@rishi07-VirtualBox:~/folder1/folder2$ cd folder3
rishi07@rishi07-VirtualBox:~/folder1/folder2/folder3$ ls
rishi07@rishi07-VirtualBox:~/folder1/folder2/folder3$
```


17. rm<filename> : To remove/delete a file

```
rishi07@rishi07-VirtualBox:~$ ls
brake      f1.txt  file1   folder3  newfile  read    super
Desktop    f2.txt  file2   g1.txt   newfile.txt  rishi   Templates
dir1       f3.txt  folder  king     Pictures  rishu.txt  Videos
Documents  f4.txt  folder1 Music    Public    shop      y
Downloads  f5.txt  folder2 nano.2275.save  race     snap
rishi07@rishi07-VirtualBox:~$ rm brake
rishi07@rishi07-VirtualBox:~$ ls
Desktop    f2.txt  file2   g1.txt   newfile.txt  rishi   Templates
dir1       f3.txt  folder  king     Pictures  rishu.txt  Videos
Documents  f4.txt  folder1 Music    Public    shop      y
Downloads  f5.txt  folder2 nano.2275.save  race     snap
f1.txt     file1   folder3 newfile   read      super
rishi07@rishi07-VirtualBox:~$
```

18. `rmdir<dirname>` : To remove/delete a directory

```
rishi07@rishi07-VirtualBox:~$ ls
Desktop  f2.txt  file2    g1.txt          newfile.txt  rishi  Templates
dir1     f3.txt  folder   king            Pictures     rishu.txt Videos
Documents f4.txt  folder1  Music          Public       shop    y
Downloads f5.txt  folder2  nano.2275.save race         snap
f1.txt    file1   folder3  newfile        read         super
rishi07@rishi07-VirtualBox:~$ rmdir folder
rishi07@rishi07-VirtualBox:~$ ls
Desktop  f2.txt  file2    king            Pictures  rishu.txt  Videos
dir1     f3.txt  folder1  Music          Public   shop       y
Documents f4.txt  folder2  nano.2275.save race     snap
Downloads f5.txt  folder3  newfile        read    super
f1.txt    file1   g1.txt   newfile.txt    rishi   Templates
rishi07@rishi07-VirtualBox:~$
```

19. `rmdir<filename/filename2>` : To remove or delete a directory path

```
rishi07@rishi07-VirtualBox:~$ rmdir -p folder1/folder2/folder3
rishi07@rishi07-VirtualBox:~$ ls
Desktop  f2.txt  file2  Music      Public  shop    y
dir1     f3.txt  folder2 nano.2275.save race    snap
Documents f4.txt  folder3 newfile    read    super
Downloads f5.txt  g1.txt  newfile.txt rishi   Templates
f1.txt   file1  king   Pictures   rishu.txt Videos
rishi07@rishi07-VirtualBox:~$
```

20. mv<filename> <newname> : To rename a file

```
rishi07@rishi07-VirtualBox:~$ ls
Desktop  f2.txt  file2  Music  Public  shop  y
dir1     f3.txt  folder2 nano.2275.save race    snap
Documents f4.txt  folder3 newfile  read    super
Downloads f5.txt  g1.txt  newfile.txt rishi   Templates
f1.txt    file1  king   Pictures rishu.txt Videos
rishi07@rishi07-VirtualBox:~$ mv read runn
rishi07@rishi07-VirtualBox:~$ ls
Desktop  f2.txt  file2  Music  Public  shop  y
dir1     f3.txt  folder2 nano.2275.save race    snap
Documents f4.txt  folder3 newfile  rishi   super
Downloads f5.txt  g1.txt  newfile.txt rishu.txt Templates
f1.txt    file1  king   Pictures runn    Videos
rishi07@rishi07-VirtualBox:~$
```

21. mv<filename><path> : To move a file from a directory to a specified directory

```
rishi07@rishi07-VirtualBox:~$ mv filename.txt Desktop
rishi07@rishi07-VirtualBox:~$ cd Desktop
rishi07@rishi07-VirtualBox:~/Desktop$ ls
filename.txt
rishi07@rishi07-VirtualBox:~/Desktop$
```

22. mv-i <filename> <path> : To move a file and ask permission to overwrite if file already exists

```
rishi07@rishi07-VirtualBox:~$ mv -i filename.txt Desktop
mv: overwrite 'Desktop/filename.txt'? y
rishi07@rishi07-VirtualBox:~$ ls
Desktop    f1.txt    f5.txt    folder3    nano.2275.save  Public  shop      Videos
dir1       f2.txt    file1     g1.txt     newfile         race    snap      y
Documents  f3.txt    file2     king       newfile.txt    rishi   super
Downloads  f4.txt    folder2   Music      Pictures        runn    Templates
rishi07@rishi07-VirtualBox:~$ cd Desktop
rishi07@rishi07-VirtualBox:~/Desktop$ ls
filename.txt  filename.txt~  rishu.txt
rishi07@rishi07-VirtualBox:~/Desktop$
```

23.mv-n<filename><path> : To move a file and deny permission to overwrite if file already exists

```
rishi07@rishi07-VirtualBox:~$ mv -n filename.txt Desktop
rishi07@rishi07-VirtualBox:~$ ls
Desktop  f2.txt  file2      king      Pictures  shop      y
dir1     f3.txt  filename.txt Music     Public    snap
Documents f4.txt  folder2    nano.2275.save race      super
Downloads f5.txt  folder3    newfile   rishi    Templates
```


24. mv-b<filename><path> : To move a file and create a backup of the old file

```
rishi07@rishi07-VirtualBox:~$ mv -b filename.txt Desktop
rishi07@rishi07-VirtualBox:~$ ls
Desktop    f1.txt  f5.txt  folder3  nano.2275.save  Public  shop  Vid
dir1       f2.txt  file1   g1.txt   newfile         race    snap  y
Documents  f3.txt  file2   king     newfile.txt    rishi   super
Downloads  f4.txt  folder2 Music    Pictures        runn    Templates
rishi07@rishi07-VirtualBox:~$ cd Desktop
rishi07@rishi07-VirtualBox:~/Desktop$ ls
filename.txt  filename.txt~  rishu.txt
rishi07@rishi07-VirtualBox:~/Desktop$
```