

whoami → Display the username

```
sparsh@sparsh-VirtualBox: ~
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

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

hostname → Displays the hostname

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

ls → Displays the list of directories

```
sparsh@sparsh-VirtualBox:~$ ls
Desktop  Downloads  f2.txt  Pictures  snap  Templates
Documents  f1.txt  Music  Public  sparsh  Videos
sparsh@sparsh-VirtualBox:~$
```

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

```
sparsh@sparsh-VirtualBox:~$ ls -la
total 92
drwxr-xr-x 16 sparsh sparsh 4096 Oct 3 00:19 .
drwxr-xr-x  3 root   root   4096 Oct 2 20:22 ..
-rw-r--r--  1 sparsh sparsh  412 Oct 3 00:38 .bash_history
-rw-r--r--  1 sparsh sparsh  220 Oct 2 20:22 .bash_logout
-rw-r--r--  1 sparsh sparsh 3771 Oct 2 20:22 .bashrc
drwx----- 10 sparsh sparsh 4096 Oct 2 20:29 .cache
drwx----- 10 sparsh sparsh 4096 Oct 2 20:37 .config
drwxr-xr-x  2 sparsh sparsh 4096 Oct 2 20:28 Desktop
drwxr-xr-x  2 sparsh sparsh 4096 Oct 2 20:28 Documents
drwxr-xr-x  2 sparsh sparsh 4096 Oct 2 20:28 Downloads
-rw-rw-r--  1 sparsh sparsh   44 Oct 2 23:00 f1.txt
-rw-rw-r--  1 sparsh sparsh   44 Oct 3 00:19 f2.txt
drwx-----  2 sparsh sparsh 4096 Oct 2 20:29 .gnupg
drwx-----  3 sparsh sparsh 4096 Oct 2 20:28 .local
drwxr-xr-x  2 sparsh sparsh 4096 Oct 2 20:28 Music
drwxr-xr-x  2 sparsh sparsh 4096 Oct 2 20:28 Pictures
-rw-r--r--  1 sparsh sparsh  807 Oct 2 20:22 .profile
drwxr-xr-x  2 sparsh sparsh 4096 Oct 2 20:28 Public
drwx-----  4 sparsh sparsh 4096 Oct 3 00:31 snap
-rw-rw-r--  1 sparsh sparsh   44 Oct 2 23:07 sparsh
drwx-----  2 sparsh sparsh 4096 Oct 2 20:29 .ssh
drwxr-xr-x  2 sparsh sparsh 4096 Oct 2 20:28 Templates
drwxr-xr-x  2 sparsh sparsh 4096 Oct 2 20:28 Videos
sparsh@sparsh-VirtualBox:~$
```

pwd → Displays the current working directory

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

cd <dir name> → To access the directory

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

cd .. → To go back to the previous directory

```
sparsh@sparsh-VirtualBox:~/Desktop$ cd ..
sparsh@sparsh-VirtualBox:~$
```

cd → To go to home directory

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

cd <path> → To open a particular directory using path

```
sparsh@sparsh-VirtualBox:~$ cd abc1/abc2/abc3
sparsh@sparsh-VirtualBox:~/abc1/abc2/abc3$
```

touch <filename> → To create a file

```
sparsh@sparsh-VirtualBox:~$ touch sparsh.txt
sparsh@sparsh-VirtualBox:~$ ls
abc1    Documents  f1.txt  Music    Public  sparsh    Templates
Desktop Downloads  f2.txt  Pictures snap    sparsh.txt Videos
sparsh@sparsh-VirtualBox:~$
```

touch <filename>{from..to} → To create multiple files instantly

```
sparsh@sparsh-VirtualBox:~$ touch sparsh{1..7}.txt
sparsh@sparsh-VirtualBox:~$ ls
abc1    Downloads  Music    snap    sparsh2.txt  sparsh5.txt  sparsh.txt
Desktop f1.txt     Pictures sparsh   sparsh3.txt  sparsh6.txt  Templates
Documents f2.txt    Public   sparsh1.txt sparsh4.txt  sparsh7.txt  Videos
sparsh@sparsh-VirtualBox:~$
```

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

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

```
sparsh@sparsh-VirtualBox: ~
GNU nano 6.2 sparsh.txt *
sparsh nano test ... 1 2 3
```

cat <filename> → Displays the content in the file

```
sparsh@sparsh-VirtualBox:~$ cat sparsh.txt
sparsh nano test ... 1 2 3
sparsh@sparsh-VirtualBox:~$
```

mkdir <dirname> → Creates a directory

```
sparsh@sparsh-VirtualBox:~$ mkdir newfolder
sparsh@sparsh-VirtualBox:~$ ls
abc1      Downloads  Music      Public    sparsh1.txt  sparsh4.txt  sparsh7.txt  Videos
Desktop   f1.txt     newfolder  snap      sparsh2.txt  sparsh5.txt  sparsh.txt
Documents f2.txt     Pictures   sparsh    sparsh3.txt  sparsh6.txt  Templates
```

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

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

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

```
sparsh@sparsh-VirtualBox: ~/folder6/foder7/folder8
sparsh@sparsh-VirtualBox:~$ mkdir -p folder6/foder7/folder8
sparsh@sparsh-VirtualBox:~$ ls
abc1      Downloads  folder  newfolder  snap      sparsh2.txt  sparsh5.txt  sparsh.txt
Desktop   f1.txt     folder6  Pictures   sparsh    sparsh3.txt  sparsh6.txt  Templates
Documents f2.txt     Music    Public    sparsh1.txt  sparsh4.txt  sparsh7.txt  Videos
sparsh@sparsh-VirtualBox:~$ cd folder6/folder7/folder8
bash: cd: folder6/folder7/folder8: No such file or directory
sparsh@sparsh-VirtualBox:~$ cd folder6/foder7/folder8
sparsh@sparsh-VirtualBox:~/folder6/foder7/folder8$
```

rm <filename> → To remove/delete a file

```
sparsh@sparsh-VirtualBox:~$ ls
abc1      Downloads  folder  newfolder  snap        sparsh2.txt  sparsh5.txt  sparsh.txt
Desktop   f1.txt     folder6 Pictures  sparsh      sparsh3.txt  sparsh6.txt  Templates
Documents f2.txt     Music   Public    sparsh1.txt sparsh4.txt  sparsh7.txt  Videos

sparsh@sparsh-VirtualBox:~$ rm sparsh
sparsh@sparsh-VirtualBox:~$ ls
abc1      Downloads  folder6  Pictures  snap        sparsh3.txt  sparsh6.txt  Templates
Desktop   f1.txt     folder6  Pictures  sparsh1.txt sparsh4.txt  sparsh7.txt  Videos
Documents f2.txt     Music    Public    sparsh2.txt sparsh5.txt  sparsh.txt

sparsh@sparsh-VirtualBox:~$
```

rmdir <dirname> → To remove/delete a directory

```
sparsh@sparsh-VirtualBox:~$ ls
abc1      Downloads  folder  newfolder  snap        sparsh3.txt  sparsh6.txt  Templates
Desktop   f1.txt     folder6 Pictures  sparsh1.txt sparsh4.txt  sparsh7.txt  Videos
Documents f2.txt     Music   Public    sparsh2.txt sparsh5.txt  sparsh.txt

sparsh@sparsh-VirtualBox:~$ rmdir folder
sparsh@sparsh-VirtualBox:~$ ls
abc1      Downloads  folder6  Pictures  sparsh1.txt  sparsh4.txt  sparsh7.txt  Videos
Desktop   f1.txt     Music    Public    sparsh2.txt  sparsh5.txt  sparsh.txt
Documents f2.txt     newfolder snap      sparsh3.txt  sparsh6.txt  Templates

sparsh@sparsh-VirtualBox:~$
```

rmdir <filename/filename2> → To remove/delete a directory path

```
sparsh@sparsh-VirtualBox: ~/folder6
sparsh@sparsh-VirtualBox:~$ rmdir folder6/foder7
sparsh@sparsh-VirtualBox:~$ ls
abc1      Downloads  folder6  Pictures  sparsh1.txt  sparsh4.txt  sparsh7.txt  Videos
Desktop   f1.txt     Music    Public    sparsh2.txt  sparsh5.txt  sparsh.txt
Documents f2.txt     newfolder snap      sparsh3.txt  sparsh6.txt  Templates

sparsh@sparsh-VirtualBox:~$ cd folder6
sparsh@sparsh-VirtualBox:~/folder6$ ls
sparsh@sparsh-VirtualBox:~/folder6$
```

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

```
sparsh@sparsh-VirtualBox:~$ ls
abc1      Downloads  folder6  Pictures  sparsh1.txt  sparsh4.txt  sparsh7.txt  Videos
Desktop   f1.txt     Music    Public    sparsh2.txt  sparsh5.txt  sparsh.txt
Documents f2.txt     newfolder snap      sparsh3.txt  sparsh6.txt  Templates

sparsh@sparsh-VirtualBox:~$ mv sparsh.txt sparsh8.txt
sparsh@sparsh-VirtualBox:~$ ls
abc1      Downloads  folder6  Pictures  sparsh1.txt  sparsh4.txt  sparsh7.txt  Videos
Desktop   f1.txt     Music    Public    sparsh2.txt  sparsh5.txt  sparsh8.txt
Documents f2.txt     newfolder snap      sparsh3.txt  sparsh6.txt  Templates

sparsh@sparsh-VirtualBox:~$
```

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


```

sparsh@sparsh-VirtualBox:~$ ls
abci      Downloads  folder6  Pictures  sparsh1.txt  sparsh4.txt  sparsh7.txt  Videos
Desktop   f1.txt     Music    Public    sparsh2.txt  sparsh5.txt  sparsh8.txt
Documents f2.txt     newfolder snap      sparsh3.txt  sparsh6.txt  Templates
sparsh@sparsh-VirtualBox:~$ mv sparsh8.txt newfolder
sparsh@sparsh-VirtualBox:~$ cd newfolder
sparsh@sparsh-VirtualBox:~/newfolder$ ls
sparsh8.txt
sparsh@sparsh-VirtualBox:~/newfolder$

```

`mv -i <filename <path>` → To move a file and ask permission to overwrite if file already exists

```

sparsh@sparsh-VirtualBox:~$ touch sparsh8.txt
sparsh@sparsh-VirtualBox:~$ mv -i sparsh8.txt newfolder
mv: overwrite 'newfolder/sparsh8.txt'? y
sparsh@sparsh-VirtualBox:~$ ls
abci      Downloads  folder6  Pictures  sparsh1.txt  sparsh4.txt  sparsh7.txt
Desktop   f1.txt     Music    Public    sparsh2.txt  sparsh5.txt  Templates
Documents f2.txt     newfolder snap      sparsh3.txt  sparsh6.txt  Videos
sparsh@sparsh-VirtualBox:~$ █

```

`mv -n <filename <path>` → To move a file and deny permission to overwrite if file already exists

```

sparsh@sparsh-VirtualBox:~$ mv -n sparsh8.txt newfolder
sparsh@sparsh-VirtualBox:~$ ls
abci      Downloads  folder6  Pictures  sparsh1.txt  sparsh4.txt  sparsh8.txt
Desktop   f1.txt     Music    Public    sparsh2.txt  sparsh5.txt  Templates
Documents f2.txt     newfolder snap      sparsh3.txt  sparsh6.txt  Videos
sparsh@sparsh-VirtualBox:~$ █

```

`mv -b <filename <path>` → To move a file and create a backup of the old file

```

sparsh@sparsh-VirtualBox:~$ touch sparsh8.txt
sparsh@sparsh-VirtualBox:~$ mv -b sparsh8.txt newfolder
sparsh@sparsh-VirtualBox:~$ cd newfolder
sparsh@sparsh-VirtualBox:~/newfolder$ ls
sparsh7.txt  sparsh8.txt  sparsh8.txt~
sparsh@sparsh-VirtualBox:~/newfolder$ █

```