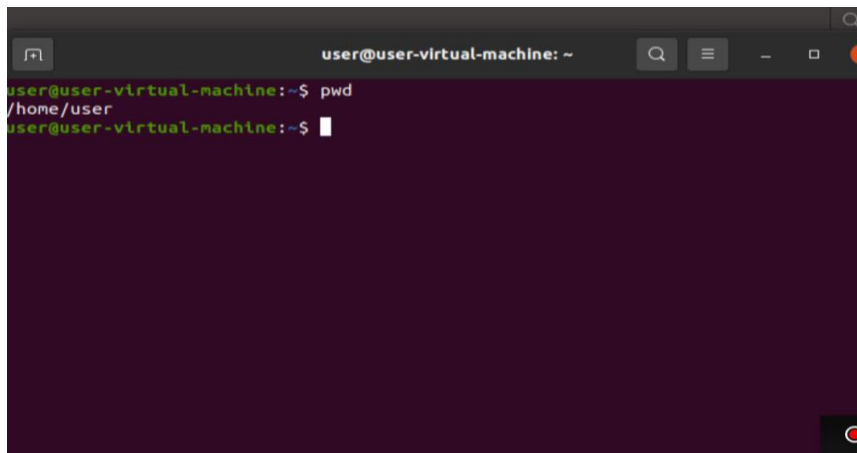
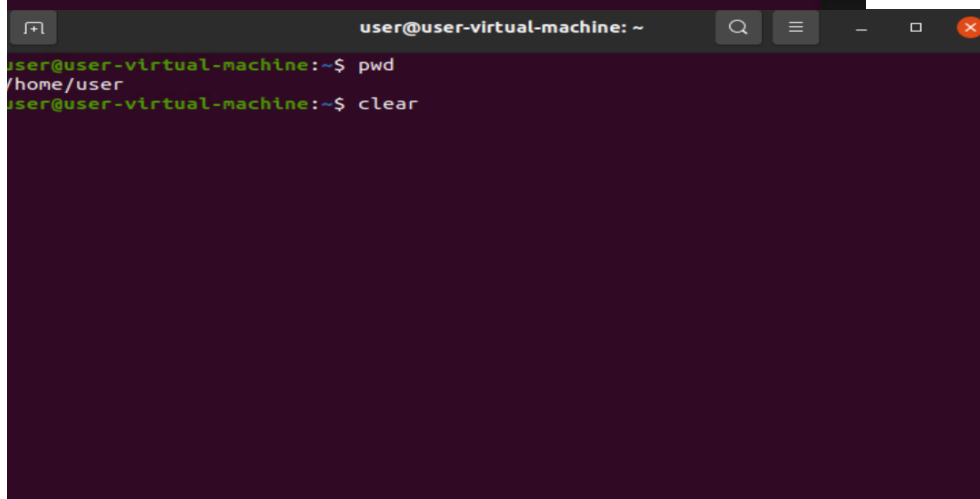


1. Pwd: (present working directory) this will shows current working directory.



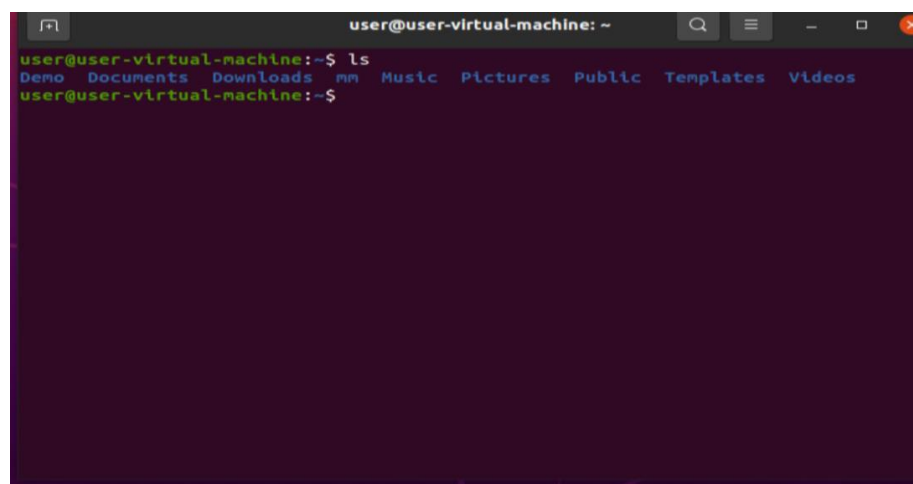
```
user@user-virtual-machine: ~  
user@user-virtual-machine:~$ pwd  
/home/user  
user@user-virtual-machine:~$
```

2. Clear : use to clear the screen



```
user@user-virtual-machine: ~  
user@user-virtual-machine:~$ pwd  
/home/user  
user@user-virtual-machine:~$ clear
```

3. Ls : it show all the folders(files) in the directory.



```
user@user-virtual-machine: ~  
user@user-virtual-machine:~$ ls  
Demo  Documents  Downloads  mm  Music  Pictures  Public  Templates  Videos  
user@user-virtual-machine:~$
```

4. Ls -l( it will shows complete information about the folder or file.

```
user@user-virtual-machine: ~  
user@user-virtual-machine:~$ ls  
Demo Documents Downloads mm Music Pictures Public Templates Videos  
user@user-virtual-machine:~$ ls -l  
total 36  
drwxr-xr-x 3 user user 4096 Sep 14 11:07 Demo  
drwxr-xr-x 2 user user 4096 Aug 21 17:21 Documents  
drwxr-xr-x 2 user user 4096 Aug 21 17:21 Downloads  
drwxrwxr-x 2 user user 4096 Sep 14 11:16 mm  
drwxr-xr-x 2 user user 4096 Aug 21 17:21 Music  
drwxr-xr-x 2 user user 4096 Sep 14 11:52 Pictures  
drwxr-xr-x 2 user user 4096 Aug 21 17:21 Public  
drwxr-xr-x 2 user user 4096 Aug 21 17:21 Templates  
drwxr-xr-x 2 user user 4096 Aug 21 17:21 Videos  
user@user-virtual-machine:~$
```

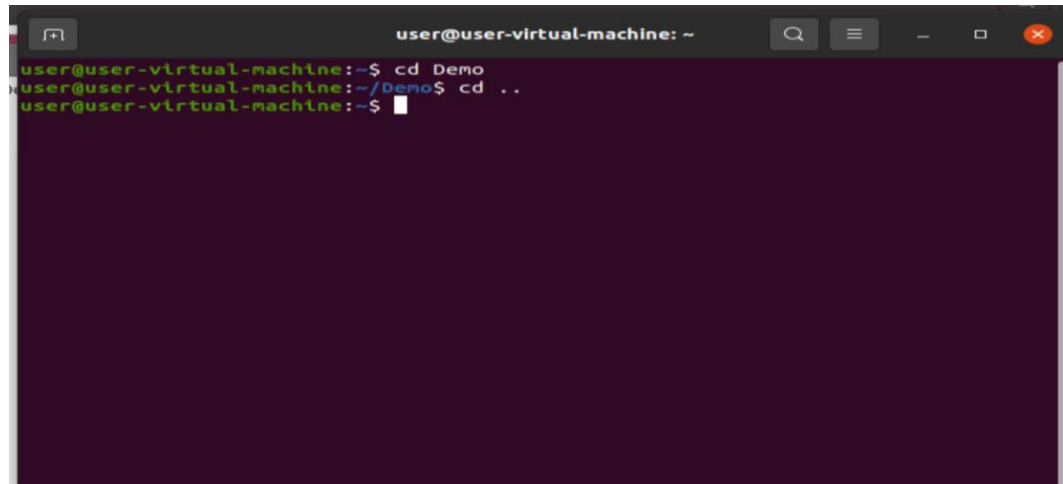
5. Mv: use to change the folder name

```
user@user-virtual-machine: ~/Downloads  
user@user-virtual-machine:~$ cd Downloads/  
user@user-virtual-machine:~/Downloads$ mv Demo demo  
user@user-virtual-machine:~/Downloads$
```

6. Cd Demo: it will change the directory to the demo folder

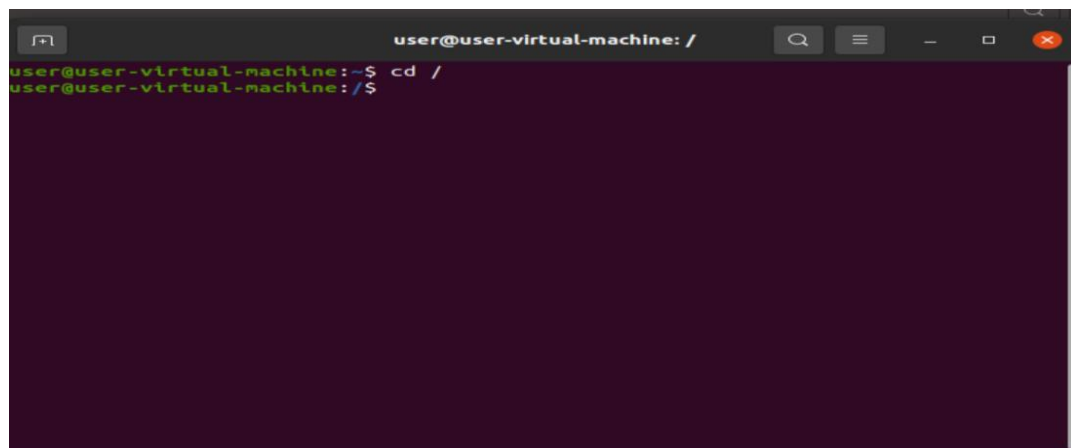
```
user@user-virtual-machine: ~/Demo  
user@user-virtual-machine:~$ cd Demo  
user@user-virtual-machine:~/Demo$
```

7. Cd.. : I will change the one step back from the current directory



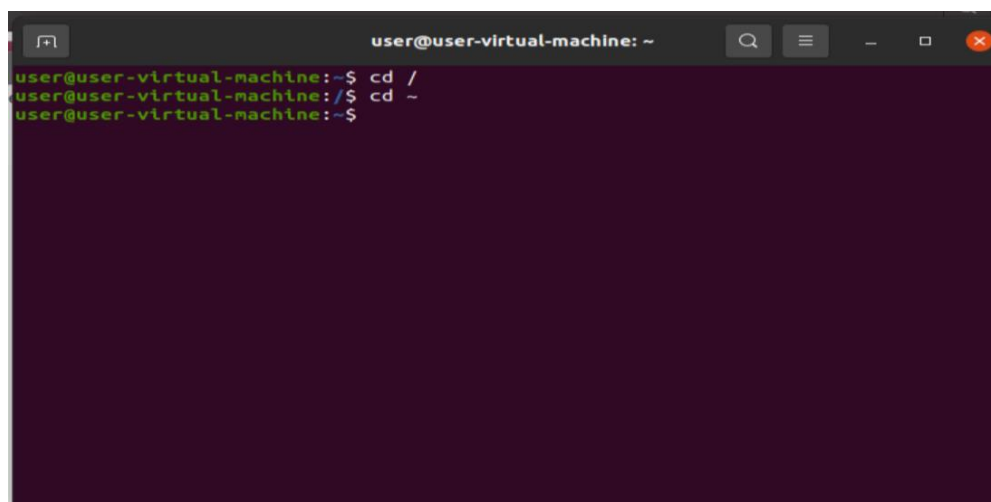
```
user@user-virtual-machine: ~  
user@user-virtual-machine:~$ cd Demo  
user@user-virtual-machine:~/Demo$ cd ..  
user@user-virtual-machine:~$
```

8. Cd / : I will take to the root directory



```
user@user-virtual-machine: /  
user@user-virtual-machine:~$ cd /  
user@user-virtual-machine:/$
```

9. Cd ~ : I will direct to the home directory



```
user@user-virtual-machine: ~  
user@user-virtual-machine:~$ cd /  
user@user-virtual-machine:/$ cd ~  
user@user-virtual-machine:~$
```

10. Ls -f : this will shows the all the files without any color

```
user@user-virtual-machine: ~  
user@user-virtual-machine:~$ ls -f  
Public      .config    .local     .gnupg     .      .bash_history  
Templates  Demo       .cache     .bashrc    .sudo_as_admin_successful .bash_logout  
ddd        .profile   .ssh       ..         .mozilla  
Downloads  Videos    mm         Music      Documents  
Pictures  
user@user-virtual-machine:~$
```

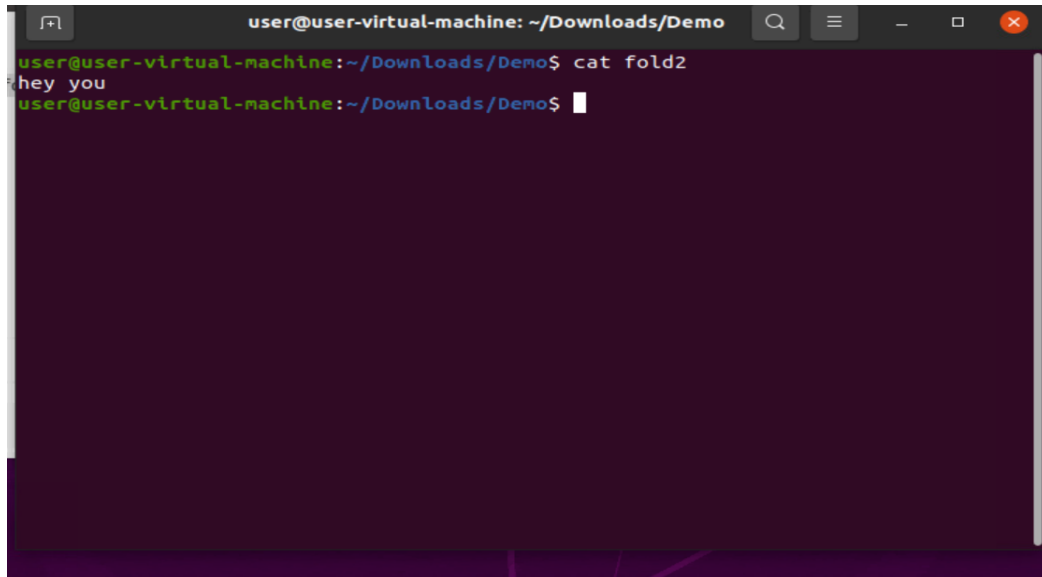
11. Ls -a: it will show all files including hidden files with color format

```
user@user-virtual-machine: ~  
user@user-virtual-machine:~$ ls -f  
Public      .config    .local     .gnupg     .      .bash_history  
Templates  Demo       .cache     .bashrc    .sudo_as_admin_successful .bash_logout  
ddd        .profile   .ssh       ..         .mozilla  
Downloads  Videos    mm         Music      Documents  
Pictures  
user@user-virtual-machine:~$
```

12. Ls -A: this will show all the files except hidden files

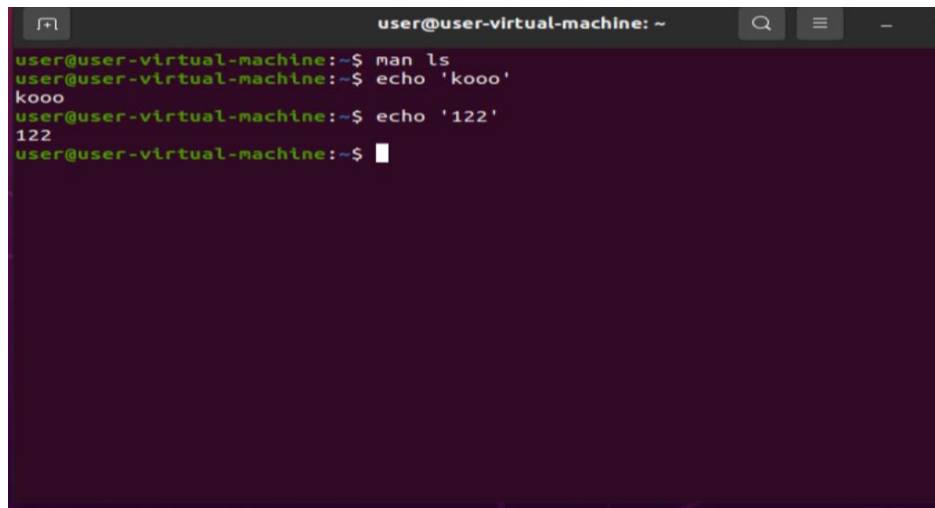
```
user@user-virtual-machine: ~  
user@user-virtual-machine:~$ ls -A  
.bash_history ddd      .local     .profile   Videos  
.bash_logout Demo     .cache     .bashrc    Public  
.bashrc       Documents .mozilla   .ssh       .sudo_as_admin_successful  
.cache        Downloads Music      .ssh       Templates  
.config       .gnupg   Pictures  
user@user-virtual-machine:~$
```

- 13. Cd . Hidden: it is used to access the hidden files
- 14. Exit: will use to exit the terminal
- 15. Cat filename (cat data1.odt) : this will give the Gui and all the icons
- 16. Cat filename (cat data2): this is use to read the data in the text file



```
user@user-virtual-machine: ~/Downloads/Demo
user@user-virtual-machine:~/Downloads/Demo$ cat fold2
hey you
user@user-virtual-machine:~/Downloads/Demo$
```

- 17. Man ls: I will go to the new terminal page and I will shows all the use full commands. To get help we can press “h” for quit we can press “q”
- 18. Echo ‘koo’: this is use to print the message r values



```
user@user-virtual-machine: ~
user@user-virtual-machine:~$ man ls
user@user-virtual-machine:~$ echo 'kooo'
kooo
user@user-virtual-machine:~$ echo '122'
122
user@user-virtual-machine:~$
```

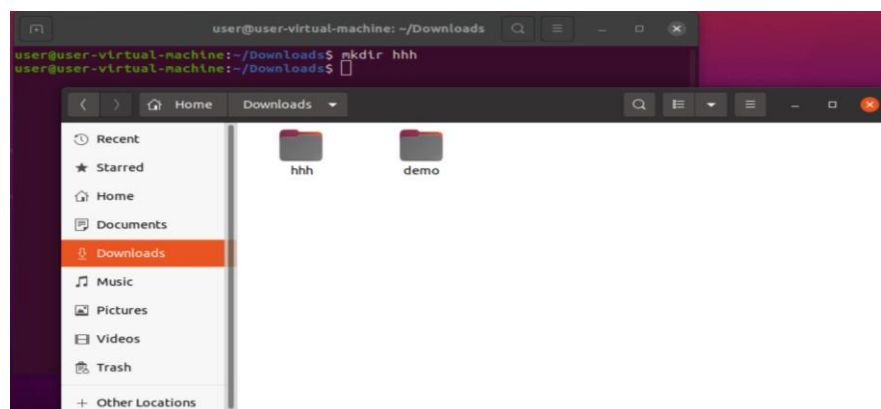
- 19. Echo \$PATH: it will show the entire path we are working to print variables we need to use the \$

```
user@user-virtual-machine: ~  
user@user-virtual-machine:~$ echo $PATH  
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin  
user@user-virtual-machine:~$
```

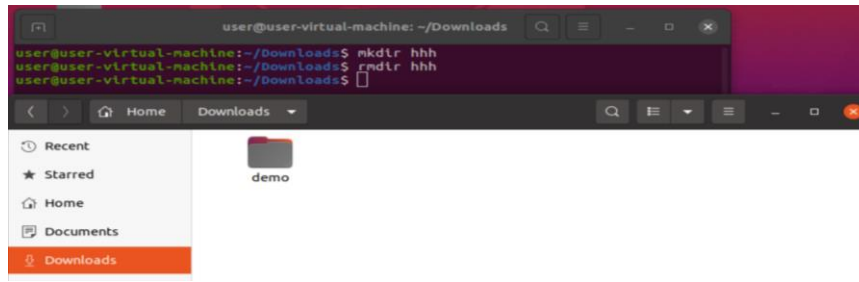
20. Mv (existing filename) (new filename) : this command use to rename the file name using terminal

```
user@user-virtual-machine: ~/Downloads  
user@user-virtual-machine:~$ cd Downloads/  
user@user-virtual-machine:~/Downloads$ mv Demo demo  
user@user-virtual-machine:~/Downloads$
```

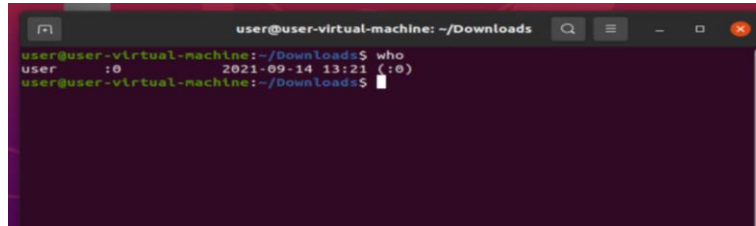
21. Mkdir : this use to create a directory (file)



22. Rmdir : use to remove the file (directory)



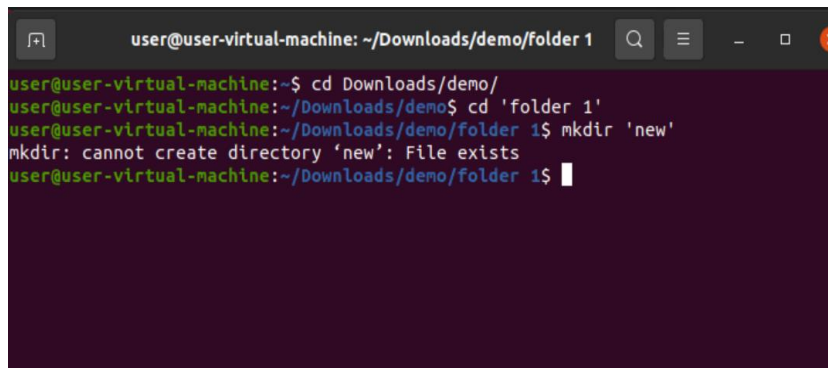
23. Who : it will give information about the current user details



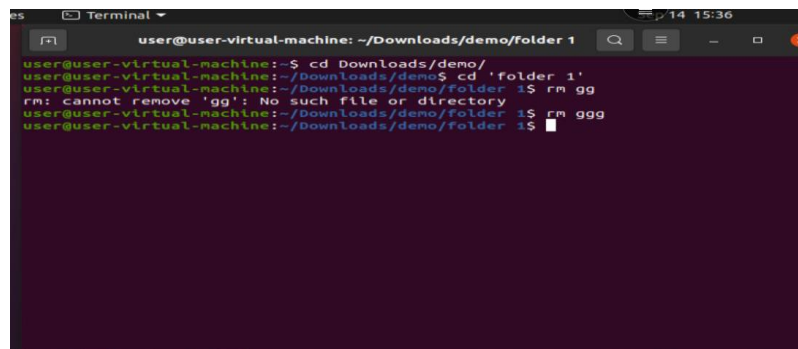
24. Cd downloads/demo: use to change the directory within downloads directory

25. Cd 'folder 1': use to change the directory in the demo file if there is space between the file name, we need to add single clone

26. Mkdir 'new': use to make a new directory



27. Rm ggg : this used to remove the text file from the directory(rm 'folder 1/filename(s)')



28. Cp 'folder 1/s' 'folder2' : use to copy from one folder to onther folder.

```
user@user-virtual-machine: ~/Downloads/demo
user@user-virtual-machine:~$ cd demo/
user@user-virtual-machine:~/demo$ ls
demo
user@user-virtual-machine:~/demo$ cd ..
user@user-virtual-machine:~$ cd Downloads/demo/
user@user-virtual-machine:~/Downloads/demo$ ls
fold1.odt  fold2  'folder 1'  'folder 2'
user@user-virtual-machine:~/Downloads/demo$ cp 'folder 1/s' 'folder 2'
user@user-virtual-machine:~/Downloads/demo$
```

29. Mv 'folder 1/s' 'folder 2' : use to move one file from one folder to other folder

```
user@user-virtual-machine: ~/Downloads/demo
user@user-virtual-machine:~/Downloads/demo$ mv 'folder 2/s' 'folder 1'
user@user-virtual-machine:~/Downloads/demo$
```

30. Cp s k : use to copy from one file to onther file

```
user@user-virtual-machine: ~/Downloads/demo/folder 2
user@user-virtual-machine:~/Downloads/demo$ cd 'folder 2'
user@user-virtual-machine:~/Downloads/demo/folder 2$ cp s k
user@user-virtual-machine:~/Downloads/demo/folder 2$ cat s
jsdvaeeueevauhf
user@user-virtual-machine:~/Downloads/demo/folder 2$ cat k
jsdvaeeueevauhf
user@user-virtual-machine:~/Downloads/demo/folder 2$
```

31. Tac k: it will revers the data in a file

```
user@user-virtual-machine: ~/Downloads/demo/folder 2
user@user-virtual-machine:~/Downloads/demo/folder 2$ cp k s
user@user-virtual-machine:~/Downloads/demo/folder 2$ tac s
stu u
ye ru dryuu
g djfgsgg
jsdvaeeueevauhf
user@user-virtual-machine:~/Downloads/demo/folder 2$
```

32. Sort: is use to sort the data in the dictionary format

```
user@user-virtual-machine: ~/Downloads/demo/folder 2
user@user-virtual-machine:~/Downloads/deno/folder 2$ sort s
g djfgsgg
jsdvaeeueevauhf
stu u
ye ru dryuu
user@user-virtual-machine:~/Downloads/deno/folder 2$
```

33. Date : use to print the current date



```
user@user-virtual-machine: ~/Downloads/demo/folder 2
user@user-virtual-machine:~/Downloads/demo/folder 2$ date
Tuesday 14 September 2021 04:12:31 PM IST
user@user-virtual-machine:~/Downloads/demo/folder 2$
```

34. Cal: use to print the calendar

```
user@user-virtual-machine:~/Downloads/demo/folder 2$ cal
September 2021
Su Mo Tu We Th Fr Sa
      1  2  3  4
 5  6  7  8  9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30
user@user-virtual-machine:~/Downloads/demo/folder 2$
```

35. Mkdir -p : use to create more files within one directory

```
user@user-virtual-machine: ~/Downloads/demo/folder 2
user@user-virtual-machine:~/Downloads/demo/folder 2$ mkdir -p 1/2/4/6/3
user@user-virtual-machine:~/Downloads/demo/folder 2$
```

36. Rm -rf 1: use to remove the files or folder from the loop folder

```
user@user-virtual-machine: ~/Downloads/demo/folder 2
user@user-virtual-machine:~/Downloads/demo/folder 2$ mkdir -p 1/2/4/6/3
user@user-virtual-machine:~/Downloads/demo/folder 2$ rm -rf 1
user@user-virtual-machine:~/Downloads/demo/folder 2$
```

37. Ls -la: use to list the all files and it will revers the file

```
user@user-virtual-machine: ~/Downloads/demo/folder 2
user@user-virtual-machine:~/Downloads/demo/folder 2$ ls -l
total 8
-rw-rw-r-- 1 user user  0 Sep 14 16:14 'folder1 z'
-rw-rw-r-- 1 user user 46 Sep 14 16:06 k
-rw-rw-r-- 1 user user 46 Sep 14 16:07 s
user@user-virtual-machine:~/Downloads/demo/folder 2$ ls -r
s k 'folder1 z'
user@user-virtual-machine:~/Downloads/demo/folder 2$
```

38. Passwd: to change the current password of the user

```
user@user-virtual-machine: ~
user@user-virtual-machine:~$ passwd
changing password for user.
Current password:
New password:
Retype new password:
Sorry, passwords do not match.
passwd: Authentication token manipulation error
passwd: password unchanged
user@user-virtual-machine:~$ passwd
changing password for user.
Current password:
New password:
Retype new password:
Bad: new password is too simple
New password:
Retype new password:
Bad: new password is too simple
New password:
Retype new password:
passwd: password updated successfully
user@user-virtual-machine:~$
```

39. Tree: use to get the files in the form of hierarchal

```
user@user-virtual-machine:~$ tree
.
├── demo
│   ├── demo
│   ├── Documents
│   ├── Downloads
│   └── demo
│       ├── fold1.odt
│       ├── fold2
│       ├── folder 1
│       │   ├── new
│       │   ├── rr
│       │   └── s
│       ├── folder 2
│       │   ├── folder1 z
│       │   ├── k
│       │   └── s
│       └── Music
├── Pictures
│   ├── Screenshot from 2021-09-14 11-23-20.png
│   ├── Screenshot from 2021-09-14 11-47-59.png
│   ├── Screenshot from 2021-09-14 11-48-03.png
│   ├── Screenshot from 2021-09-14 11-48-06.png
│   ├── Screenshot from 2021-09-14 11-52-20.png
│   ├── Screenshot from 2021-09-14 15-01-16.png
│   ├── Screenshot from 2021-09-14 15-26-25.png
│   ├── Screenshot from 2021-09-14 15-49-26.png
│   ├── Screenshot from 2021-09-14 15-57-51.png
│   ├── Screenshot from 2021-09-14 16-04-04.png
│   └── Screenshot from 2021-09-14 16-04-04.png
└── Type here to search
```

40. Cd / tree: this will give the all the files in the system