

Linux video - 01 Task

Commands and it's uses :-

- pwd :- pwd will show you the present/current directory which we're in.
- Cd :- cd will help us to change the directory
- mkdir :- creates a new directory
- Mkdir -p :- creates path in directory
- Touch :- Touch command will help us to create a file
- Vi :- vi is used for open the file and to edit(I =for inserting ,:wq! For save and exit)
- Rm :- will be used to removes files
- Rm -rf :- removes the directory (folder)
- Cd .. goes back to parent directory Cd/.. = goes back two step back
- Ls :- list of files and folders
- “ . ” :- dot will used to hide a file
- Ls -I :- detailed list
- Ls -a :- shows hidden files
- Ls -ltr :- used in the terminal to list files in a directory in a detailed, sorted way.
- Ls -ls :- Linux/macOS terminal command used to list files with there size in a detailed but simple format.
- Ls -la :- hidden files plus long list
- Mv :- moves the files
- Cat :- it is used for read/viewing the file

```
sainiharikagundu@192 ~ % pwd  
/Users/sainiharikagundu  
sainiharikagundu@192 ~ % ls  
Applications Documents jcef_1893.log Library Music Public PycharmProjects  
Desktop Downloads jcef_7615.log Movies Pictures PyCharmMiscProject  
sainiharikagundu@192 ~ % mkdir gaya3_1  
sainiharikagundu@192 ~ % ls  
Applications Documents gaya3_1 jcef_7615.log Movies Pictures PyCharmMiscProject  
Desktop Downloads jcef_1893.log Library Music Public PycharmProjects  
sainiharikagundu@192 ~ %
```

>> here by using “mkdir” command I have created a directory named “gaya3_1” in this directory I have created another directory named “techie”

```
sainiharikagundu@192 ~ % mkdir gaya3_1/techie  
sainiharikagundu@192 ~ % ls  
Applications Documents gaya3_1 jcef_7615.log Library Movies Pictures PyCharmMiscProject  
Desktop Downloads jcef_1893.log Library Music Public PycharmProjects  
sainiharikagundu@192 ~ % cd gaya3_1  
sainiharikagundu@192 gaya3_1 % ls  
techie  
sainiharikagundu@192 gaya3_1 %
```

>> here, I have removed the directory by using “rm -rf” command and created a file by “touch” command.

```
sainiharikagundu@192 gaya3_1 % rm -rf techie  
sainiharikagundu@192 gaya3_1 % ls  
sainiharikagundu@192 gaya3_1 % touch techie  
sainiharikagundu@192 gaya3_1 % ls  
techie  
sainiharikagundu@192 gaya3_1 %
```

```
[sainiharikagundu@192 ~ % ls -ll
total 8
drwx-----@ 8 sainiharikagundu staff 256 23 May 01:53 Applications
drwx-----@ 19 sainiharikagundu staff 608 20 Nov 15:44 Desktop
drwx-----@ 4 sainiharikagundu staff 128 23 Apr 2025 Documents
drwx-----+ 128 sainiharikagundu staff 4096 20 Nov 12:48 Downloads
drwxr-xr-x 3 sainiharikagundu staff 96 20 Nov 15:15 gaya3_1
-rw-r--r--@ 1 sainiharikagundu staff 0 19 Apr 2025 jcef_1893.log
-rw-r--r--@ 1 sainiharikagundu staff 0 3 May 2025 jcef_7615.log
drwx-----@ 98 sainiharikagundu staff 3136 14 Nov 12:49 Library
drwx----- 4 sainiharikagundu staff 128 10 Apr 2025 Movies
drwx-----+ 4 sainiharikagundu staff 128 5 Jul 16:36 Music
drwx-----+ 4 sainiharikagundu staff 128 10 Apr 2025 Pictures
drwxr-xr-x+ 4 sainiharikagundu staff 128 10 Apr 2025 Public
drwxr-xr-x@ 6 sainiharikagundu staff 192 19 Apr 2025 PyCharmMiscProject
drwxr-xr-x@ 3 sainiharikagundu staff 96 19 Apr 2025 PycharmProjects
-rw-r--r-- 1 sainiharikagundu staff 9 20 Nov 15:48 sai_gaya3
```

>> “rm” will help us to remove the file and “rm -rf” will help us to remove the directory

```
[sainiharikagundu@192 ~ % rm gaya3_1
rm: gaya3_1: is a directory
[sainiharikagundu@192 ~ % rm -rf gaya3_1
[sainiharikagundu@192 ~ % ls -ll
total 8
drwx-----@ 8 sainiharikagundu staff 256 23 May 01:53 Applications
drwx-----@ 19 sainiharikagundu staff 608 20 Nov 15:44 Desktop
drwx-----@ 4 sainiharikagundu staff 128 23 Apr 2025 Documents
drwx-----+ 128 sainiharikagundu staff 4096 20 Nov 12:48 Downloads
-rw-r--r--@ 1 sainiharikagundu staff 0 19 Apr 2025 jcef_1893.log
-rw-r--r--@ 1 sainiharikagundu staff 0 3 May 2025 jcef_7615.log
drwx-----@ 98 sainiharikagundu staff 3136 14 Nov 12:49 Library
drwx----- 4 sainiharikagundu staff 128 10 Apr 2025 Movies
drwx-----+ 4 sainiharikagundu staff 128 5 Jul 16:36 Music
drwx-----+ 4 sainiharikagundu staff 128 10 Apr 2025 Pictures
drwxr-xr-x+ 4 sainiharikagundu staff 128 10 Apr 2025 Public
drwxr-xr-x@ 6 sainiharikagundu staff 192 19 Apr 2025 PyCharmMiscProject
drwxr-xr-x@ 3 sainiharikagundu staff 96 19 Apr 2025 PycharmProjects
-rw-r--r-- 1 sainiharikagundu staff 9 20 Nov 15:48 sai_gaya3
[sainiharikagundu@192 ~ % rm sai_gaya3
[sainiharikagundu@192 ~ % ls -ll
total 0
drwx-----@ 8 sainiharikagundu staff 256 23 May 01:53 Applications
drwx-----@ 19 sainiharikagundu staff 608 20 Nov 15:44 Desktop
drwx-----@ 4 sainiharikagundu staff 128 23 Apr 2025 Documents
drwx-----+ 128 sainiharikagundu staff 4096 20 Nov 12:48 Downloads
-rw-r--r--@ 1 sainiharikagundu staff 0 19 Apr 2025 jcef_1893.log
-rw-r--r--@ 1 sainiharikagundu staff 0 3 May 2025 jcef_7615.log
drwx-----@ 98 sainiharikagundu staff 3136 14 Nov 12:49 Library
drwx----- 4 sainiharikagundu staff 128 10 Apr 2025 Movies
drwx-----+ 4 sainiharikagundu staff 128 5 Jul 16:36 Music
drwx-----+ 4 sainiharikagundu staff 128 10 Apr 2025 Pictures
drwxr-xr-x+ 4 sainiharikagundu staff 128 10 Apr 2025 Public
drwxr-xr-x@ 6 sainiharikagundu staff 192 19 Apr 2025 PyCharmMiscProject
drwxr-xr-x@ 3 sainiharikagundu staff 96 19 Apr 2025 PycharmProjects
sainiharikagundu@192 ~ %
```


>> cd .. will go one step back to the home directory whereas, we can directly use “cd ~” (tild) to go directly to the home directory, ls -ltr will show complete Details in detailed way

```
sainiharikagundu@192:~/gaya3_1% cd ..
sainiharikagundu@192 ~ % cd gaya3_1
sainiharikagundu@192:~/gaya3_1% cd ~
sainiharikagundu@192 ~ % ls -ltr
total 0
drwxr-xr-x+ 4 sainiharikagundu staff 128 10 Apr 2025 Public
drwx-----+ 4 sainiharikagundu staff 128 10 Apr 2025 Pictures
drwx----- 4 sainiharikagundu staff 128 10 Apr 2025 Movies
-rw-r--r--@ 1 sainiharikagundu staff 0 19 Apr 2025 jcef_1893.log
drwxr-xr-x@ 6 sainiharikagundu staff 192 19 Apr 2025 PyCharmMiscProject
drwxr-xr-x@ 3 sainiharikagundu staff 96 19 Apr 2025 PycharmProjects
drwx-----@ 4 sainiharikagundu staff 128 23 Apr 2025 Documents
-rw-r--r--@ 1 sainiharikagundu staff 0 3 May 2025 jcef_7615.log
drwx-----@ 8 sainiharikagundu staff 256 23 May 01:53 Applications
drwx-----+ 4 sainiharikagundu staff 128 5 Jul 16:36 Music
drwx-----@ 98 sainiharikagundu staff 3136 14 Nov 12:49 Library
drwx-----@ 18 sainiharikagundu staff 576 20 Nov 12:04 Desktop
drwx-----+ 128 sainiharikagundu staff 4096 20 Nov 12:48 Downloads
drwxr-xr-x 3 sainiharikagundu staff 96 20 Nov 15:15 gaya3_1
sainiharikagundu@192 ~ % ls -i
404016 Applications 269295 Downloads 1428058 jcef_7615.log 269245 Music 1205913 PyCharmMiscProject
269249 Desktop 6076456 gaya3_1 269251 Library 269247 Pictures 1206953 PycharmProjects
269293 Documents 1204269 jcef_1893.log 269291 Movies 269287 Public
sainiharikagundu@192 ~ %
```

>> here we have created a file and by using “mv” move command we have hidden the file with the help of “.”

```
sainiharikagundu@192 ~ % touch sai_gaya3
sainiharikagundu@192 ~ % ls
Applications Documents gaya3_1 jcef_7615.log Movies Pictures PyCharmMiscProject sai_gaya3
Desktop Downloads jcef_1893.log Library Music Public PycharmProjects
sainiharikagundu@192 ~ % ls -a
.
.. .DS_Store .vscode Applications gaya3_1 Movies PyCharmMiscProject
.. .ipython .zprofile Desktop jcef_1893.log Music PycharmProjects
.CFUserTextEncoding .Trash .zsh_history Documents jcef_7615.log Pictures sai_gaya3
.config viminfo .zsh_sessions Downloads Library Public
sainiharikagundu@192 ~ % mv sai_gaya3 .sai_gaya3
sainiharikagundu@192 ~ % ls -a
.
.. .DS_Store .vscode .zsh_sessions Downloads Library Public
.. .ipython .zprofile Applications gaya3_1 Movies PyCharmMiscProject
.CFUserTextEncoding .sai_gaya3 .zprofile Desktop jcef_1893.log Music PycharmProjects
.config .Trash .zsh_history Documents jcef_7615.log Pictures
sainiharikagundu@192 ~ % ls
Applications Documents gaya3_1 jcef_7615.log Movies Pictures PyCharmMiscProject
Desktop Downloads jcef_1893.log Library Music Public PycharmProjects
sainiharikagundu@192 ~ % mv .sai_gaya3 sai_gaya3
sainiharikagundu@192 ~ % ls
Applications Documents gaya3_1 jcef_7615.log Movies Pictures PyCharmMiscProject sai_gaya3
Desktop Downloads jcef_1893.log Library Music Public PycharmProjects
sainiharikagundu@192 ~ %
```

>> here “vi” is used to add/edit the content in the file

```
sainiharikagundu@192 ~ %
sainiharikagundu@192 ~ % vi sai_gaya3
sainiharikagundu@192 ~ % cat sai_gaya3
hi there
sainiharikagundu@192 ~ %
```