

Day 3 Task: Basic Linux Commands

Task: What is the linux command to

1. To view what's written in a file.

- **cat command**

Syntax : cat filename

```
[ec2-user@ip-172-31-80-226 aa]$ cat written.txt
Hello Viewer
I hope you have day will be good.
Thank you.
```

2. To change the access permissions of files.

- **Chmod command**

- Options/flag :

- chmod +r filename = To give only reading access
- chmod +w filename = To give only writing access
- chmod +x filename = To give only execute access
- chmod 777 filename = To give all permissions (read, write, execute).

- **Syntax :** chmod 777 filename

```
[ec2-user@ip-172-31-80-226 aa]$ ls -l
total 4
-rw-rw-r-- 1 ec2-user ec2-user 58 Jan  8 05:04 written.txt
```

Here you can see file-written.txt have rw-rw-r-- permission only.

```
[ec2-user@ip-172-31-80-226 aa]$ ls -l
total 4
-rw-rw-r-- 1 ec2-user ec2-user 58 Jan  8 05:04 written.txt
[ec2-user@ip-172-31-80-226 aa]$ chmod 777 written.txt
[ec2-user@ip-172-31-80-226 aa]$ ls -l
total 4
-rwxrwxrwx 1 ec2-user ec2-user 58 Jan  8 05:04 written.txt
```

After using chmod 777 written.txt command, filename have all access permission i.e, rwxrwxrwx (read, write, execute).

Note : Bad permission is 777,here user, group, otheruser can use that file.

3. To check which commands you have run till now.

- **History command**

Syntax : history

```
[ec2-user@ip-172-31-80-226 aa]$ history
240 cat written.txt
241 sudo vi written.txt
242 cat written.txt
243 ls -l
244 chmod 777 written.txt
245 ls -l
246 clear
247 history
248 clear
249 history
[ec2-user@ip-172-31-80-226 aa]$
```

4. To remove a directory/ Folder.

- **rmdir command**

Syntax : rmdir filename

```
[ec2-user@ip-172-31-80-226 3rdday]$ ls
aa bb cc dd ee ff gg hh ii jj
[ec2-user@ip-172-31-80-226 3rdday]$ rmdir jj
[ec2-user@ip-172-31-80-226 3rdday]$ ls
aa bb cc dd ee ff gg hh ii
```

5. To create a fruits.txt file and to view the content.

- **vim command or nano command**
- **cat command**

Syntax : 1st create a file using vim or nano command , vim fruits.txt
2nd use cat command to view, cat fruits.txt

```
[ec2-user@ip-172-31-80-226 3rdday]$ vim fruits.txt
[ec2-user@ip-172-31-80-226 3rdday]$ cat fruits.txt
A for Apple.
B for Bannana.
C for Cherry.
D for Dragon.
```

6. Add content in devops.txt (One in each line) - Apple, Mango, Banana, Cherry, Kiwi, Orange, Guava.

- **Vim or nano command**
- **Cat command**

Syntax : 1st create a file using vim or nano command , nano devops.txt
2nd use cat command to view, cat devops.txt

```
[ec2-user@ip-172-31-80-226 3rdday]$ nano devops.txt
[ec2-user@ip-172-31-80-226 3rdday]$ cat devops.txt
Apple
Manago
Bannana
Cherry
kiwi
Orange
Guava.
```

7. To Show only top three fruits from the file.

- **Head command**

Head command will show you 1st 10 lines of a file, so to check a 1st 3 lines of a file use head -n filename, where n is number.

Syntax : head -3 devops.txt

```
[ec2-user@ip-172-31-80-226 3rdday]$ cat devops.txt
Apple
Manago
Bannana
Cherry
kiwi
Orange
Guava.
[ec2-user@ip-172-31-80-226 3rdday]$ head -3 devops.txt
Apple
Manago
Bannana
```

8. To Show only bottom three fruits from the file.

- **Tail command**

Tail command will show you last 10 lines a file, so to check a last 3 lines of a file use tail -n filename, where n is number.

Syntax : tail -3 devops.txt

```
[ec2-user@ip-172-31-80-226 3rdday]$ cat devops.txt
Apple
Manago
Bannana
Cherry
kiwi
Orange
Guava.
[ec2-user@ip-172-31-80-226 3rdday]$ tail -3 devops.txt
kiwi
Orange
Guava.
```

9. To create another file Colors.txt and to view the content.

- **Vim or nano command**
- **Cat command**

Syntax : 1st create a file using vim or nano command , nano Colors.txt
2nd use cat command to view, cat Colors.txt

```
[ec2-user@ip-172-31-80-226 3rdday]$ nano Colour.txt
[ec2-user@ip-172-31-80-226 3rdday]$ cat Colour.txt
Red
Pink
White
Black
Blue
Orange
Purple
Grey.
```

10. To find the difference between devops.txt and Colors.txt file.

- **Diff command**

Syntax : diff devops.txt Colours.txt

```
[ec2-user@ip-172-31-80-226 3rdday]$ diff devops.txt Colour.txt
1,5c1,5
< Apple
< Manago
< Bannana
< Cherry
< kiwi
---
> Red
> Pink
> White
> Black
> Blue
7c7,8
< Guava.
---
> Purple
> Grey.
```