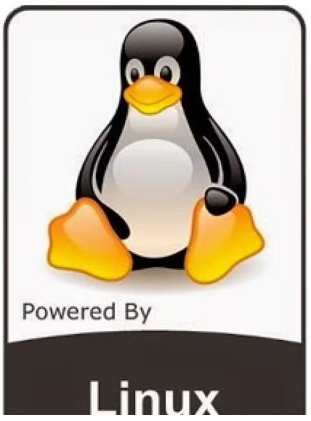

Basic Linux Commands

Prabhakar Yadav · Mar 3, 2023 · 3 min read

#90DaysOfDevOps

What is Linux command to:-

To view what's written in a file-

Linux command to view what's written in a file is the **cat** command. The **'cat'** command is the most versatile and effective tool. It is regarded as one of the most commonly used commands. It can display the contents of a file, copy the contents of one file to another, concatenate the contents of multiple files, display the line number, display $ at the end of the line, and so on.

```
ubuntu@ip-172-31-36-9:~$ cat file1.txt
Hi connections, This is day 3 of #90DaysOfDevOps challenge.
ubuntu@ip-172-31-36-9:~$
```

To change the access permissions of files-

The command to change the access permissions of a file is **chmod** command in Linux.

- **chmod +rwx filename** to add permissions
- **chmod -rwx directory name** to remove permissions.
- **chmod +x filename** to allow executable permissions.
- **chmod -wx** filename to take out write and executable permissions.

Note that “r” is for read, “w” is for write, and “x” is for execute.

```
ubuntu@ip-172-31-36-9:~$ ls -l
total 20
drwxrwxr-x 2 ubuntu ubuntu 4096 Mar  3 07:07 dira
drwxrwxr-x 2 ubuntu ubuntu 4096 Mar  3 07:07 dirb
drwxrwxr-x 2 ubuntu ubuntu 4096 Mar  3 07:07 dirc
drwxrwxr-x 2 ubuntu ubuntu 4096 Mar  3 07:07 dird
-rw-rw-r-- 1 ubuntu ubuntu   60 Mar  3 06:46 file1.txt
ubuntu@ip-172-31-36-9:~$ chmod -wx dira
ubuntu@ip-172-31-36-9:~$ ls -l
total 20
dr--r--r-- 2 ubuntu ubuntu 4096 Mar  3 07:07 dira
drwxrwxr-x 2 ubuntu ubuntu 4096 Mar  3 07:07 dirb
drwxrwxr-x 2 ubuntu ubuntu 4096 Mar  3 07:07 dirc
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ubuntu@ip-172-31-36-9:~$
```

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ubuntu@ip-172-31-36-9:~$ chmod +x file1.txt
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drwxrwxr-x 2 ubuntu ubuntu 4096 Mar  3 07:07 dird
-rwxrwxr-x 1 ubuntu ubuntu   60 Mar  3 06:46 file1.txt
ubuntu@ip-172-31-36-9:~$
```

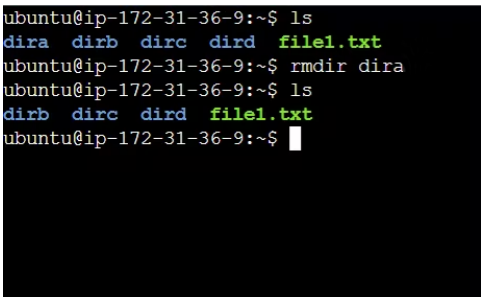
To check which commands you have run till now-

The **history** command is the command to check which commands we have run till now.

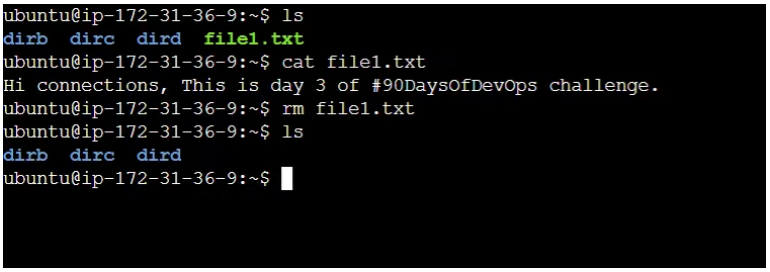
```
ubuntu@ip-172-31-36-9:~$ history
    1  clear
    2  apt-get update
    3  sudo apt update
    4  clear
    5  vi file1.txt
    6  cat file1.txt
    7  clear
    8  ls
    9  mkdir dira dirb dirc dird
   10  ls
   11  clear
   12  ls -la
   13  clear
   14  ls -l
   15  chmod -wx dira
   16  ls -l
   17  chmod +wx dira
   18  ls -l
   19  clear
   20  ls -l
   21  chmod +x file1.txt
   22  ls -l
   23  clear
   24  history
ubuntu@ip-172-31-36-9:~$
```

To remove a directory/Folder-

To remove an empty directory use **rmdir** command as shown in the below image.

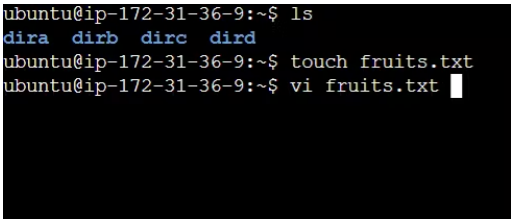


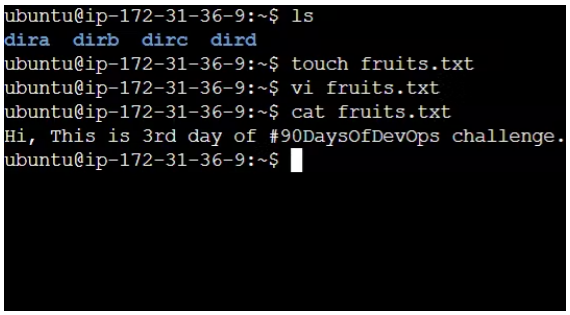
To remove a file or directory with its content including subdirectories and files, we use the **rm** command in Linux.



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

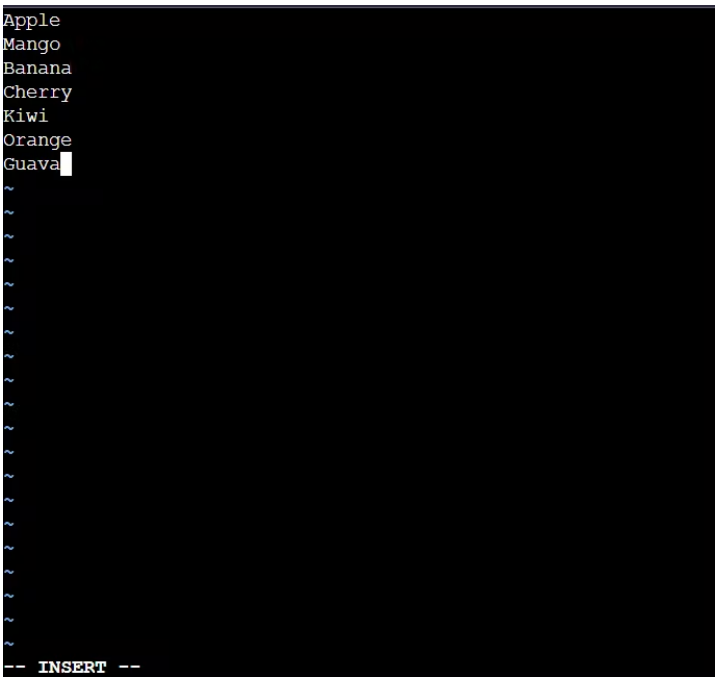
We use the **touch** command to create an empty file in Linux and the **cat** command to view its content.

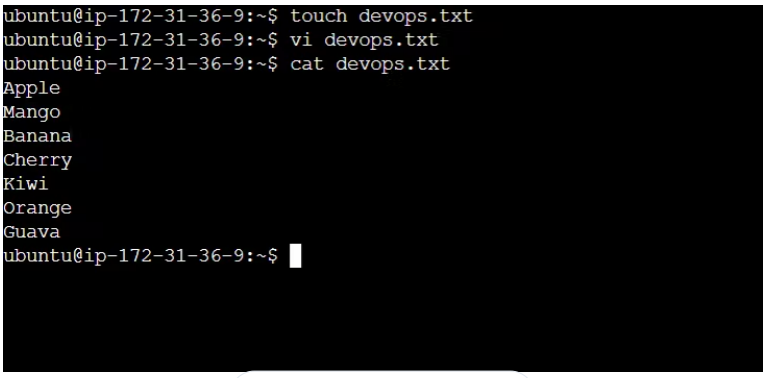




Add content in devOps.txt(One in each line)- Apple, Mango, Banana, Cherry, Kiwi, Orange, Guava-

Firstly we will create a **devOps.txt** file using the **touch** command. After creating the file we will open the file using the vi editor and will add content to it.





To show only the top three fruits from the file-

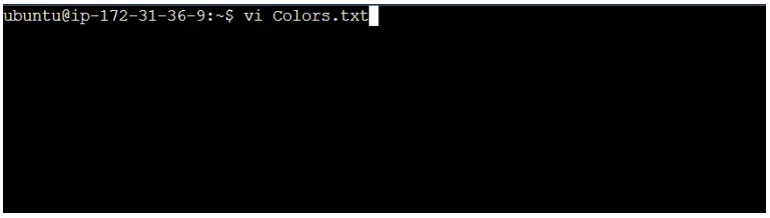
To show only the top three items from the **devops.txt** file we will use the **head** command with the **-n** option.

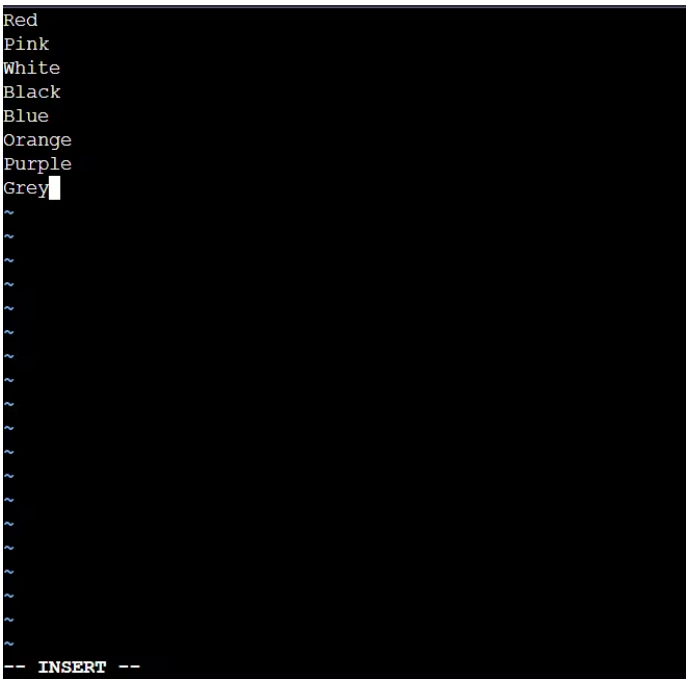
To show only the bottom three fruits from the file-

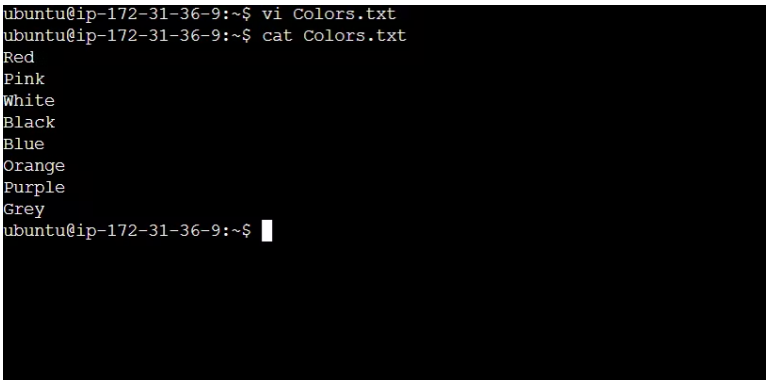
To show only the bottom three items from the **devops.txt** file we will use the **tail** command with the **-n** option.

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

We will use **the vi** command to create a Colors.txt file and We will use the **cat** command to see its content.

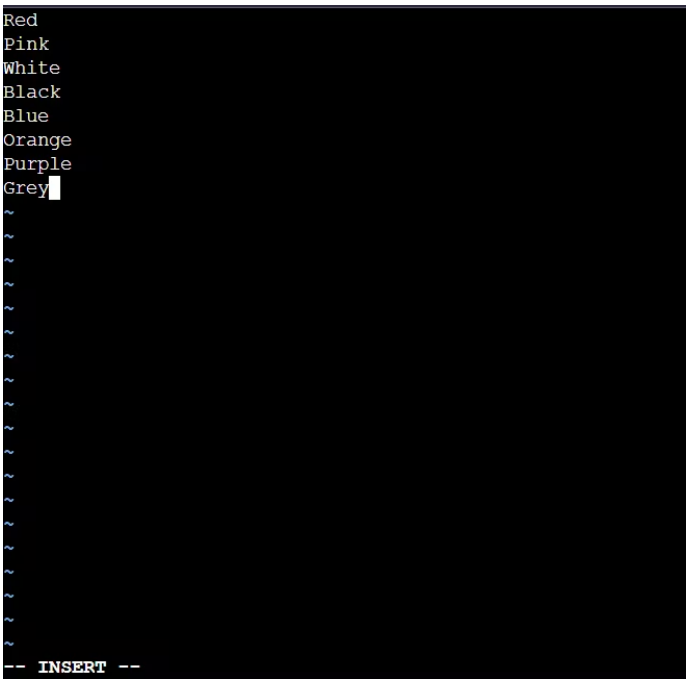


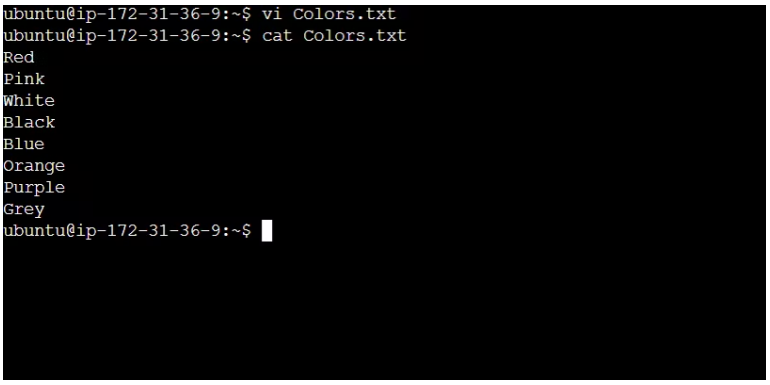




Add content in Colors.txt(One in each line) Red, Pink, White, Black, Blue, Orange, Purple, Grey-

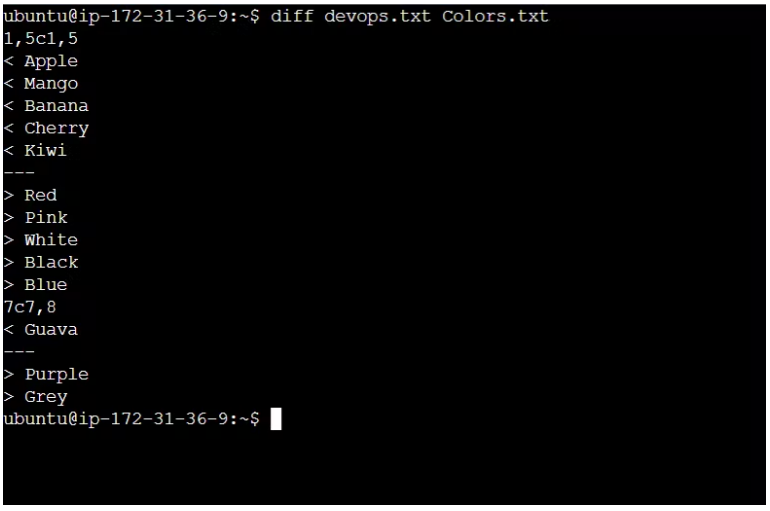
We will use the **vi** command to add content in the **Colors.txt** file.





To find the difference between devops.txt and Colors.txt files-

The **diff** command can be used to find the difference between the **devops.txt** and **Colors.txt** files.



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