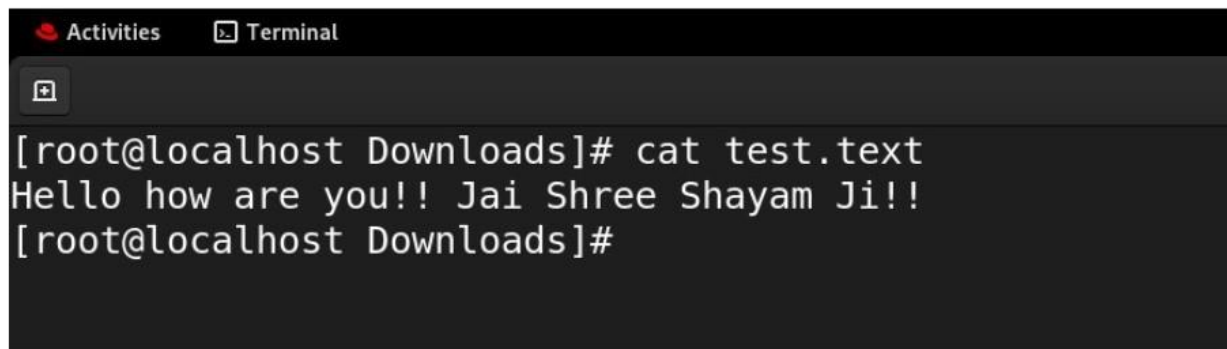


Basic Linux Commands:

- To view what's written in a file.

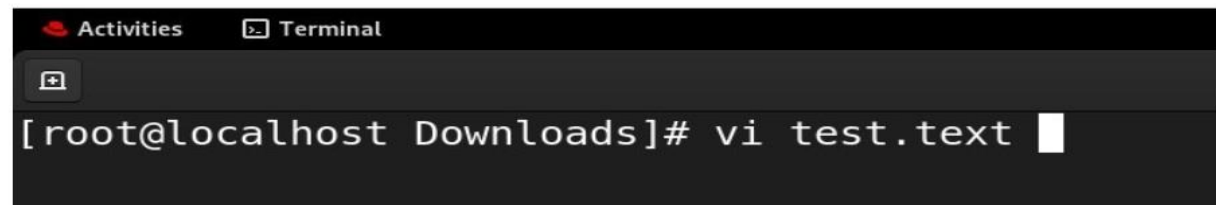
There are several ways to view the content of the file what is inside it. Like cat, vi, vim, nano nl etc.

with "cat" Command:

A terminal window titled 'Terminal' with a dark background. The prompt is '[root@localhost Downloads]#'. The command 'cat test.text' has been entered, and the output 'Hello how are you!! Jai Shree Shayam Ji!!' is displayed on the next line. The prompt '[root@localhost Downloads]#' is shown again on the third line.

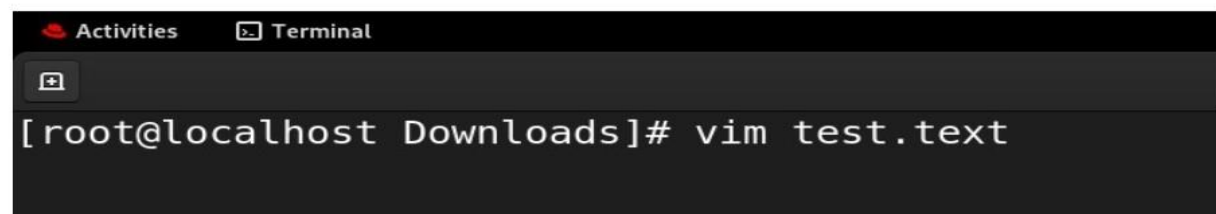
```
[root@localhost Downloads]# cat test.text
Hello how are you!! Jai Shree Shayam Ji!!
[root@localhost Downloads]#
```

with "vi" Command:

A terminal window titled 'Terminal' with a dark background. The prompt is '[root@localhost Downloads]#'. The command 'vi test.text' has been entered, and a white cursor is visible at the end of the command.

```
[root@localhost Downloads]# vi test.text
```

with "vim" Command:

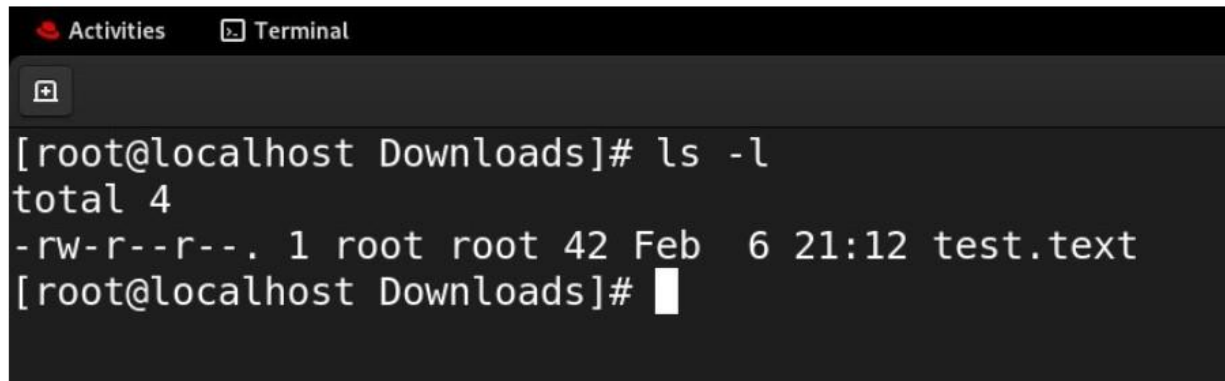
A terminal window titled 'Terminal' with a dark background. The prompt is '[root@localhost Downloads]#'. The command 'vim test.text' has been entered.

```
[root@localhost Downloads]# vim test.text
```

- To change the access permissions of files.

we can change the permission of the file in linux by the help of the "chmod" command:

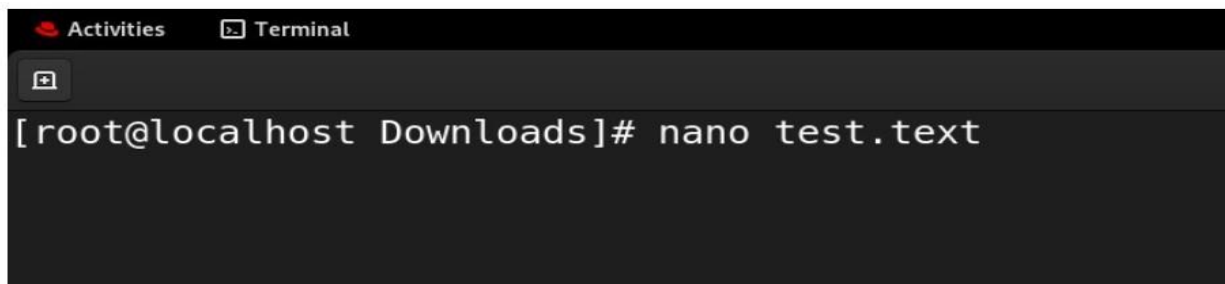
The initial permission of the file is:

A terminal window titled 'Terminal' showing the output of the 'ls -l' command. The output shows a file named 'test.text' with permissions '-rw-r--r--', owned by 'root' and 'root', with a size of '42' bytes, created on 'Feb 6 21:12'.

```
[root@localhost Downloads]# ls -l
total 4
-rw-r--r--. 1 root root 42 Feb  6 21:12 test.text
[root@localhost Downloads]#
```

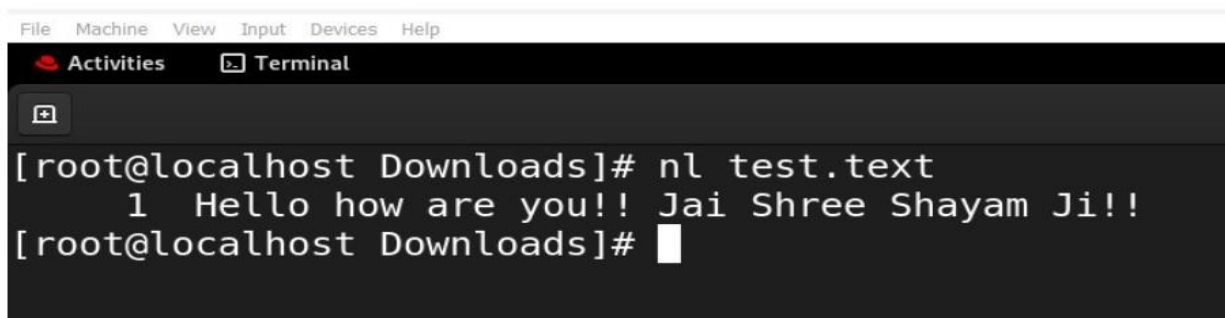
Now I have to give full permission by the help of the 777 code

with "nano" Command:

A terminal window titled 'Terminal' showing the command 'nano test.text' being entered at the prompt.

```
[root@localhost Downloads]# nano test.text
```

with "nl" command and line number:

A terminal window titled 'Terminal' showing the output of the 'nl test.text' command. The output shows the first line of the file with its line number '1'.

```
[root@localhost Downloads]# nl test.text
 1 Hello how are you!! Jai Shree Shayam Ji!!
[root@localhost Downloads]#
```

```
Activities Terminal
[root@localhost Downloads]# history
 1  pwd
 2  cd ~
 3  cd /etc/yum.repos.d/
 4  ls
 5  vi rhel9.repo
 6  cd
 7  yum repolist
```

- To remove a directory/ Folder

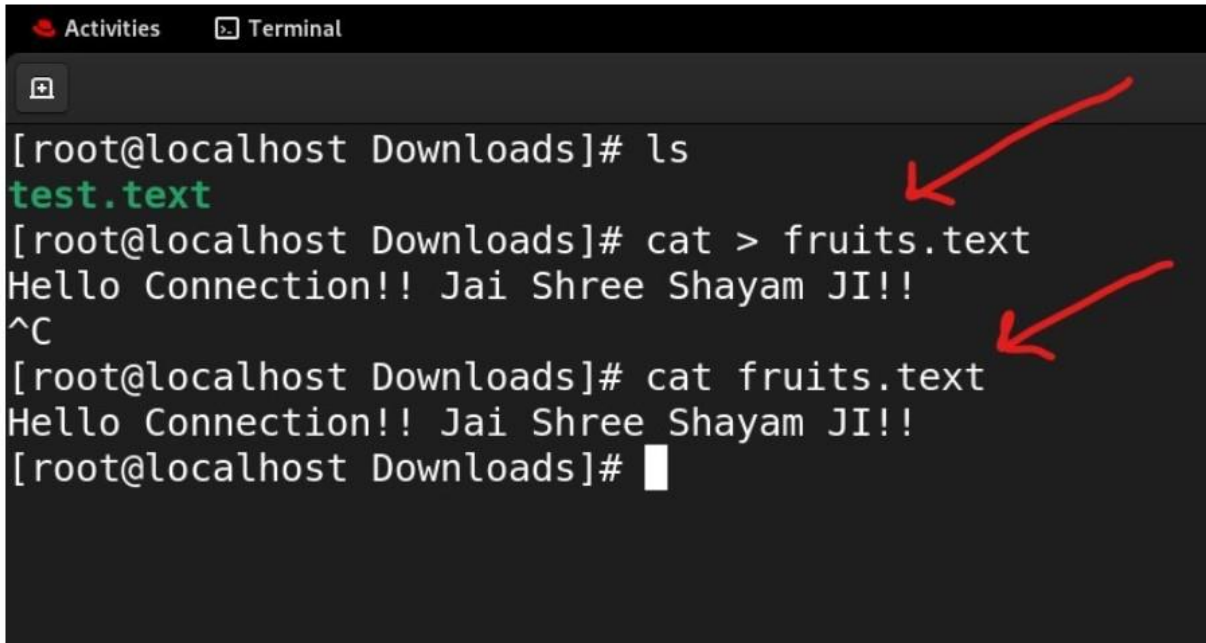
By the help of the "**rm -rf**" command and "**rmdir**" command: If your directory is empty then you use the **rmdir** command that means remove directory but if your directory have nested files and folders in it then you should use the **rm** command with **-r** and **-f** option that means **-r** stands for recursively and **-f** stands for forcefully

```
Activities Terminal
[root@localhost Downloads]# ls -l
total 4
-rw-r--r--. 1 root root 42 Feb  6 21:12 test.text
[root@localhost Downloads]# chmod 777 test.text
[root@localhost Downloads]# ls -l
total 4
-rwxrwxrwx. 1 root root 42 Feb  6 21:12 test.text
[root@localhost Downloads]#
```

- To check which commands you have run till now

By the help of the "**history**" command to know the commands which you run yet

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

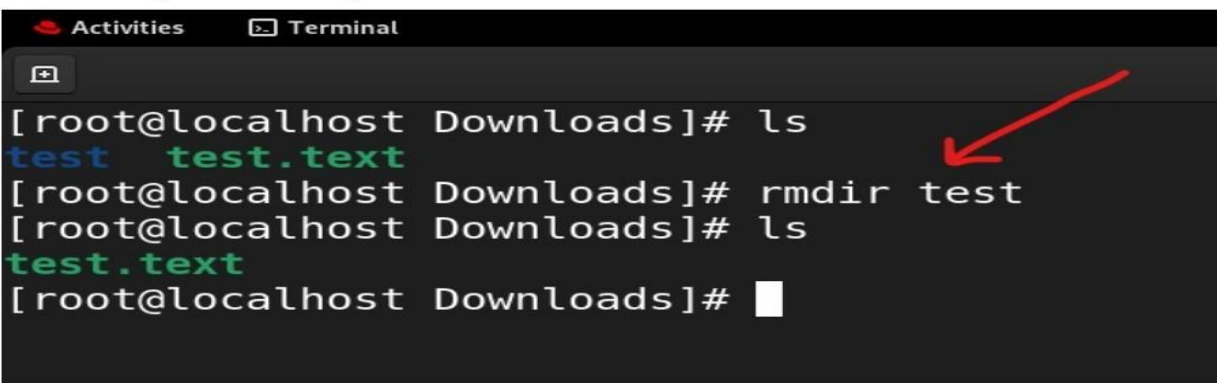


A terminal window titled 'Terminal' showing the following commands and output:

```
[root@localhost Downloads]# ls
test.test
[root@localhost Downloads]# cat > fruits.txt
Hello Connection!! Jai Shree Shayam JI!!
^C
[root@localhost Downloads]# cat fruits.txt
Hello Connection!! Jai Shree Shayam JI!!
[root@localhost Downloads]#
```

Two red arrows point to the output of the `ls` command and the output of the `cat fruits.txt` command.

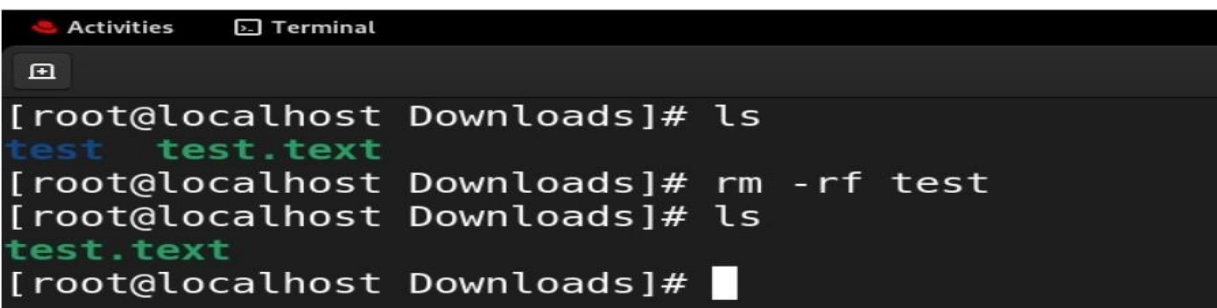
- Add content in devops.txt (One in each line) - Apple, Mango, Banana, Cherry, Kiwi, Orange, Guava.



A terminal window titled 'Terminal' showing the following commands and output:

```
[root@localhost Downloads]# ls
test  test.test
[root@localhost Downloads]# rmdir test
[root@localhost Downloads]# ls
test.test
[root@localhost Downloads]#
```

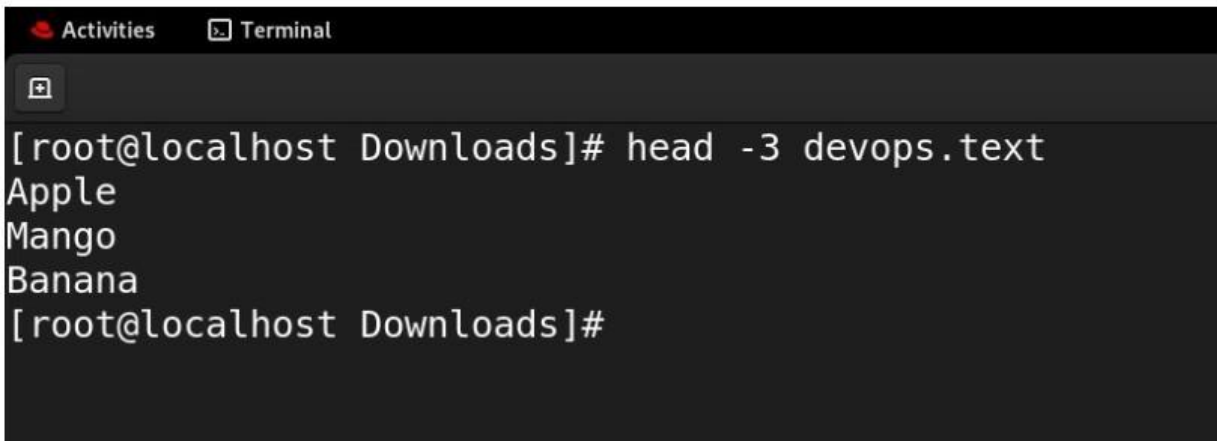
A red arrow points to the output of the `ls` command after the `rmdir test` command.



A terminal window titled 'Terminal' showing the following commands and output:

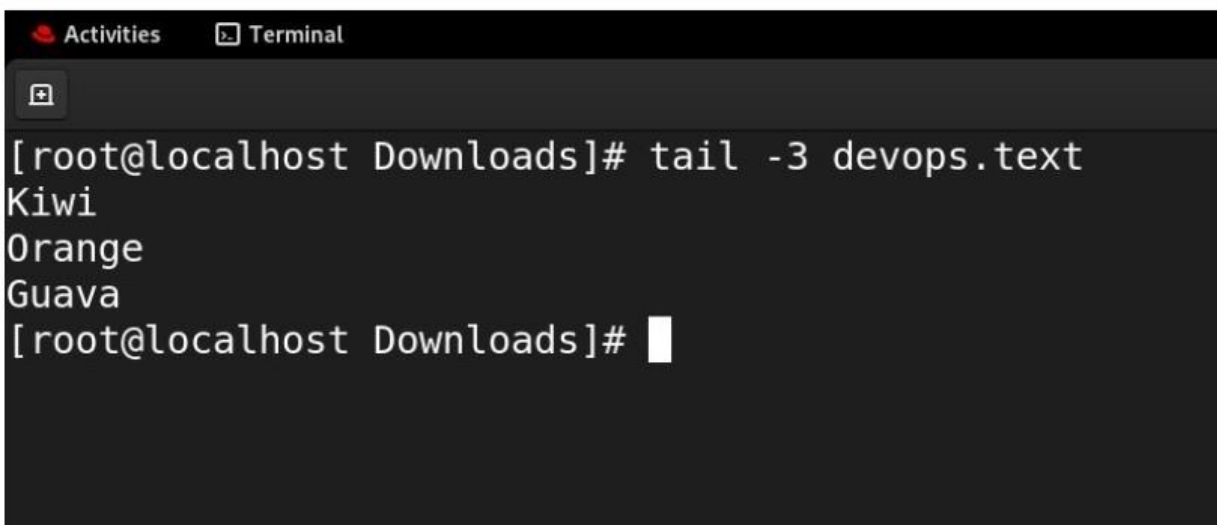
```
[root@localhost Downloads]# ls
test  test.test
[root@localhost Downloads]# rm -rf test
[root@localhost Downloads]# ls
test.test
[root@localhost Downloads]#
```

- To Show only top three fruits from the file.

A terminal window titled 'Terminal' with a dark background. The prompt is '[root@localhost Downloads]#'. The command 'head -3 devops.text' has been executed, resulting in the output: 'Apple', 'Mango', and 'Banana'. The prompt is now '[root@localhost Downloads]#'.

```
[root@localhost Downloads]# head -3 devops.text
Apple
Mango
Banana
[root@localhost Downloads]#
```

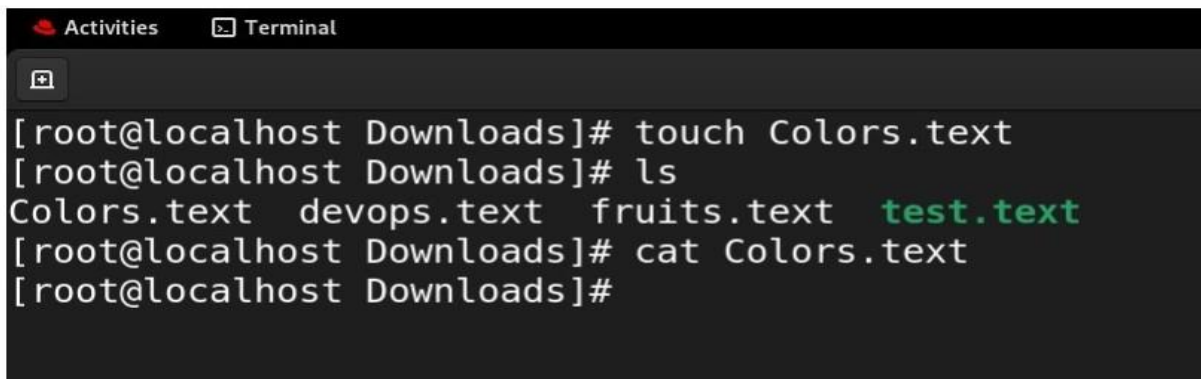
- To Show only bottom three fruits from the file.

A terminal window titled 'Terminal' with a dark background. The prompt is '[root@localhost Downloads]#'. The command 'tail -3 devops.text' has been executed, resulting in the output: 'Kiwi', 'Orange', and 'Guava'. The prompt is now '[root@localhost Downloads]#'.

```
[root@localhost Downloads]# tail -3 devops.text
Kiwi
Orange
Guava
[root@localhost Downloads]#
```

```
[root@localhost Downloads]# touch devops.text
[root@localhost Downloads]# ls
devops.text  fruits.text  test.text
[root@localhost Downloads]# cat > devops.text
Apple
Mango
Banana
Cherry
Kiwi
Orange
Guava
^C
[root@localhost Downloads]# cat devops.text
Apple
Mango
Banana
Cherry
Kiwi
Orange
Guava
[root@localhost Downloads]# nl devops.text
     1  Apple
     2  Mango
     3  Banana
     4  Cherry
     5  Kiwi
     6  Orange
     7  Guava
```

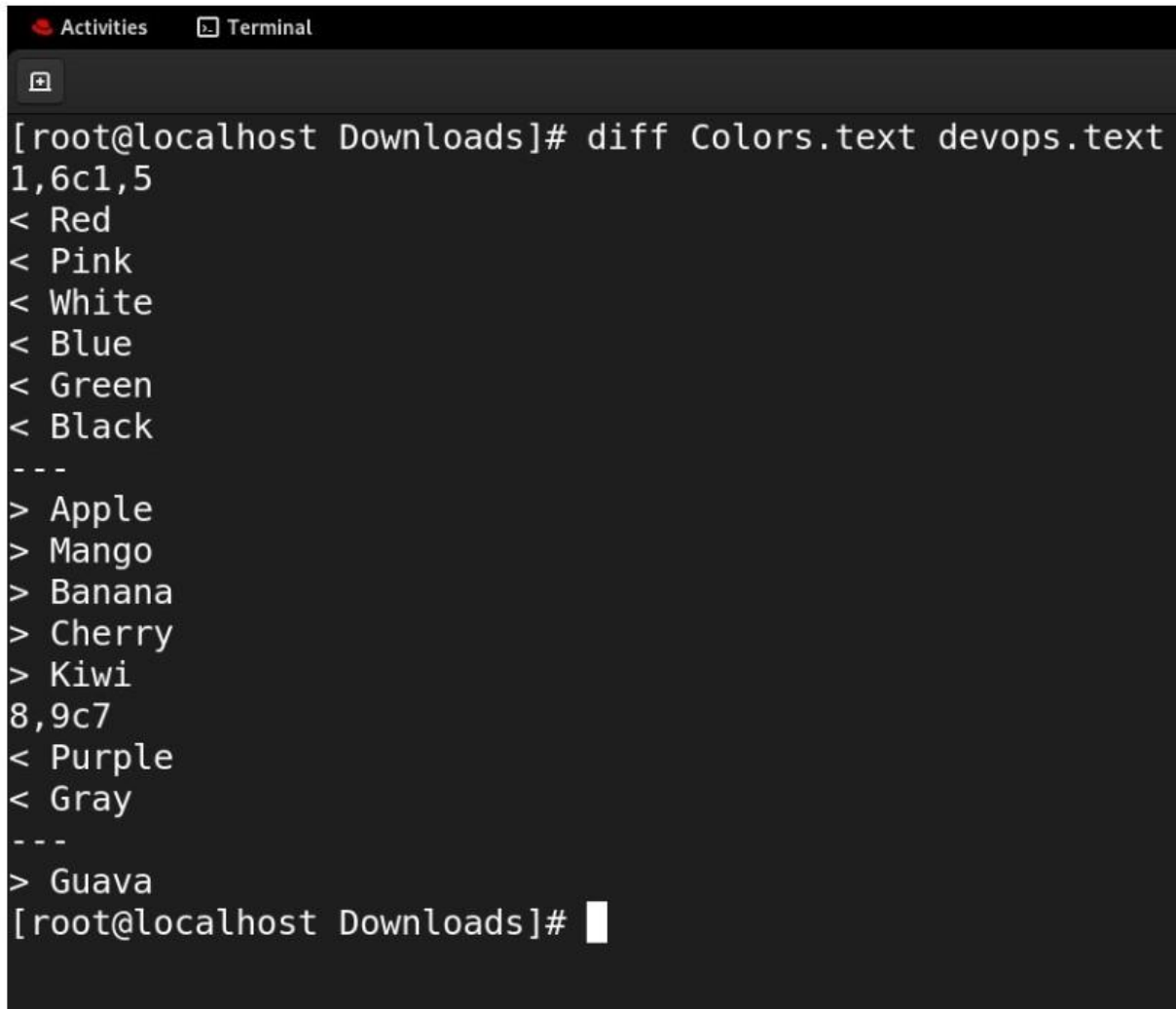
- To create another file Colors.txt and to view the content

A terminal window titled 'Terminal' with a dark background. It shows the following commands and output: touch Colors.txt, ls (listing Colors.txt, devops.text, fruits.text, and test.text), and cat Colors.txt (which produces no output).

```
Activities  Terminal
[root@localhost Downloads]# touch Colors.txt
[root@localhost Downloads]# ls
Colors.txt  devops.text  fruits.text  test.text
[root@localhost Downloads]# cat Colors.txt
[root@localhost Downloads]#
```

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

- To find the difference between fruits.txt and Colors.txt file



```
Activities Terminal
[root@localhost Downloads]# diff Colors.txt devops.txt
1,6c1,5
< Red
< Pink
< White
< Blue
< Green
< Black
---
> Apple
> Mango
> Banana
> Cherry
> Kiwi
8,9c7
< Purple
< Gray
---
> Guava
[root@localhost Downloads]#
```



```
Activities Terminal
[root@localhost Downloads]# touch Colors.text
[root@localhost Downloads]# ls
Colors.text  devops.text  fruits.text  test.text
[root@localhost Downloads]# cat Colors.text
[root@localhost Downloads]# cat > Colors.text
Red
Pink
White
Blue
Green
Black
Orange
Purple
Gray
^C
[root@localhost Downloads]# nl Colors.text
  1 Red
  2 Pink
  3 White
  4 Blue
  5 Green
  6 Black
  7 Orange
  8 Purple
  9 Gray
```