DevOps(Day-3)

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Following

90 Days Of DevOps
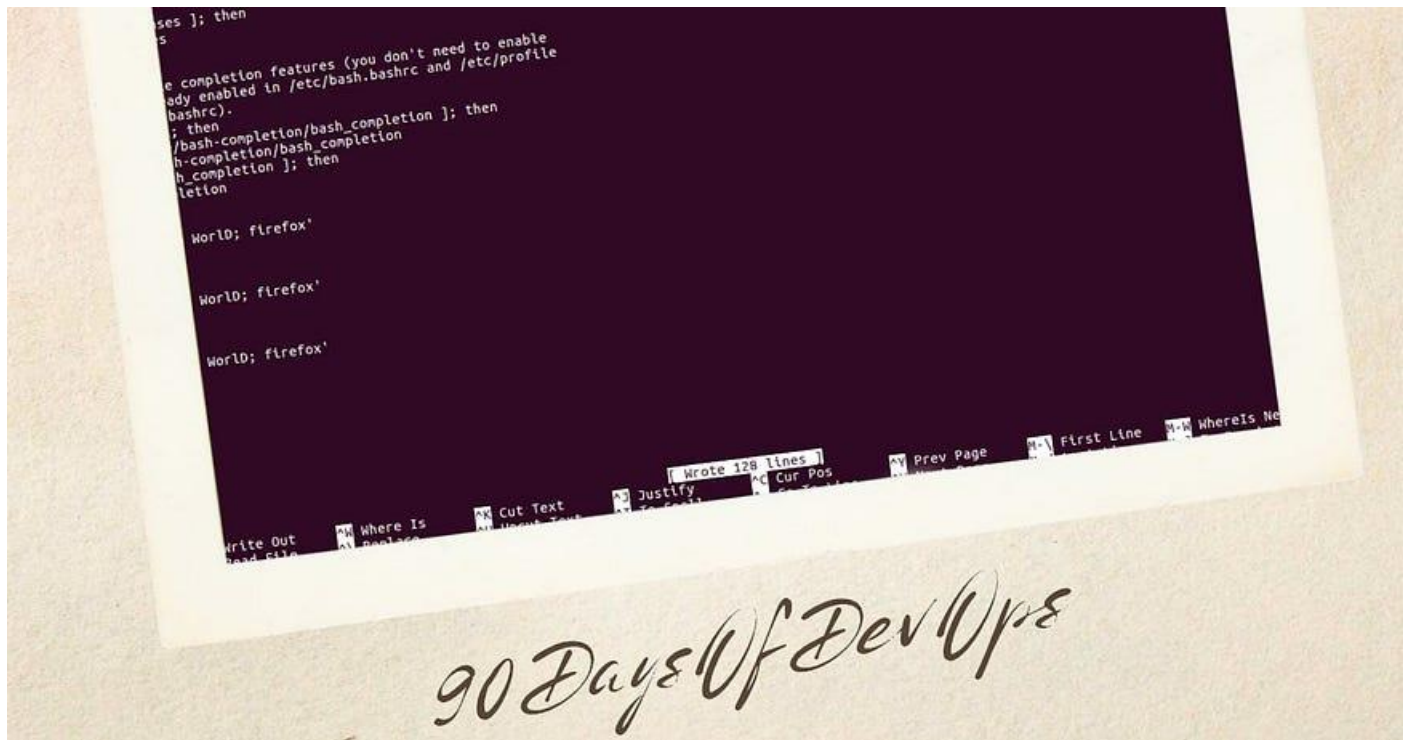
DevOps(Day-3)

Linux(Solving Questions)

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

2. We can use the "cat" command to view the contents of the file.

3. cat <path_of_file>

```
[ec2-user@ip-172-31-31-147 linux_day2]$ ls
file.txt
[ec2-user@ip-172-31-31-147 linux_day2]$ cat file.txt
This is my day 3 of 90daysofdevops challange

Practicing Linux.

I will become a DevOps Engineer

[ec2-user@ip-172-31-31-147 linux_day2]$ 
```

1. To change the access permissions of files.

2. The permission for any file or directory goes like this:-

3. drwxrwxrwx <username> <groupname> <filename>

4. d-> Directory.

5. The first set of rwx -> User permission.

6. The second set of rwx -> Group permission.

7. The third set of rwx -> Other permission.

8. chmod <permission that varies from 000 to 777> <filename>

```
[ec2-user@ip-172-31-31-147 linux_day2]$ ls -ltr
total 4
-rw-rw-r-- 1 ec2-user ec2-user 99 Mar  9 16:19 file.txt
-rw-rw-r-- 1 ec2-user ec2-user  0 Mar  9 16:20 file2.txt
drwxrwxr-x 2 ec2-user ec2-user  6 Mar  9 16:20 docker
drwxrwxr-x 2 ec2-user ec2-user  6 Mar  9 16:21 terraform
[ec2-user@ip-172-31-31-147 linux_day2]$ chmod 700 file.txt
[ec2-user@ip-172-31-31-147 linux_day2]$ ls -ltr
total 4
-rwx------ 1 ec2-user ec2-user 99 Mar  9 16:19 file.txt
-rw-rw-r-- 1 ec2-user ec2-user  0 Mar  9 16:20 file2.txt
drwxrwxr-x 2 ec2-user ec2-user  6 Mar  9 16:20 docker
drwxrwxr-x 2 ec2-user ec2-user  6 Mar  9 16:21 terraform
[ec2-user@ip-172-31-31-147 linux_day2]$ 
```

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

2. "history"

```
[ec2-user@ip-172-31-31-147 linux_day2]$ history
    1  clear
    2  mkdir linux_day2
    3  cd linux_day2/
    4  touch file.txt
    5  ls
    6  vi file.txt
    7  clear
    8  ls
    9  cat file.txt
   10  touch file2.txt
   11  mkdir docker
   12  mkdir terraform
   13  clear
   14  ls
   15  clear
   16  ls -ltr
   17  chmod 700 file.txt
   18  ls -ltr
   19  history
[ec2-user@ip-172-31-31-147 linux_day2]$
```

1. To remove a directory/ Folder.

2. rm <filename>

3. rmdir <foldername>

4. -r:- can be used to delete recursively in a folder.

5. -f:- Delete forcefully.

```
[ec2-user@ip-172-31-31-147 linux_day2]$ ls
docker   file2.txt   file.txt   terraform
[ec2-user@ip-172-31-31-147 linux_day2]$ rm file.txt
[ec2-user@ip-172-31-31-147 linux_day2]$ ls
docker   file2.txt   terraform
[ec2-user@ip-172-31-31-147 linux_day2]$
```

```
[ec2-user@ip-172-31-31-147 linux_day2]$ ls
docker   file2.txt   terraform
[ec2-user@ip-172-31-31-147 linux_day2]$ rmdir terraform/
[ec2-user@ip-172-31-31-147 linux_day2]$ ls
docker   file2.txt
[ec2-user@ip-172-31-31-147 linux_day2]$
```

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

2. touch fruits.txt

3. cat fruits.txt

```
[ec2-user@ip-172-31-31-147 linux_day2]$ touch fruits.txt
[  AWS Console Home  -31-31-147 linux_day2]$ vim fruits.txt
[ec2-user@ip-172-31-31-147 linux_day2]$ cat fruits.txt
Apple
Mango
Banana
Cherry
Kiwi
Orange
Guava
[ec2-user@ip-172-31-31-147 linux_day2]$ []
```

1. Add content in fruits.txt (One in each line) — Apple, Mango, Banana, Cherry, Kiwi, Orange, Guava.

2. Contents are added using Vim editor.

3. vim fruits.txt

4. Show only the top three fruits from the file.

5. head -n <filename>

6. n:- the line number from starting of the file.

```
[ec2-user@ip-172-31-31-147 linux_day2]$ head -3 fruits.txt
Apple
Mango
Banana
[ec2-user@ip-172-31-31-147 linux_day2]$ []
```

1. Show only the bottom three fruits from the file.

2. tail -n <filename>

3. n:- the line number from starting of the file.

```
[ec2-user@ip-172-31-31-147 linux_day2]$ tail -3 fruits.txt
Kiwi
Orange
Guava
[ec2-user@ip-172-31-31-147 linux_day2]$ []
```

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

2. touch Colors.txt

3. cat Colors.txt

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

5. Using Vim <filename> to edit the file.

6. To find the difference between the fruits.txt and Colors.txt files.

7. diff <file1> <file2>

8. sdiff <file1> <file2>

9. -a: add

10.   -c: change

11. -d: delete

```
[ec2-user@ip-172-31-31-147 linux_day2]$ diff fruits.txt Colors.txt
1,5c1,5
< Apple
< Mango
< Banana
< Cherry
< Kiwi
---
> Red
> Pink
> White
> Black
> Blue
7c7,8
< Guava
---
> Purple
> Grey
[ec2-user@ip-172-31-31-147 linux_day2]$ sdiff fruits.txt Colors.txt
Apple                                             | Red
Mango                                             | Pink
Banana                                            | White
Cherry                                            | Black
Kiwi                                              | Blue
Orange                                              Orange
Guava                                             | Purple
                                                  > Grey
[ec2-user@ip-172-31-31-147 linux_day2]$ []
```

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