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Day 3: Basic Linux commands 🙌

Hi, I'm Fayssal, and this is my first day of [#90DaysOfDevops](#) initiated by [Shubham Londhe](#). Today, I'll be discussing Basic linux commands .

1. Cat Command

The `cat` command is a Unix and Linux utility that stands for "concatenate." It is used to display the contents of one or more files to the terminal, and it can also be used to combine files or create new files.

1. Display the contents of a single file:

```
fayssal@fayssal-VirtualBox:~$ cat fayssal
This is the contents of file fayssal
```

2. Display the contents of multiple files:

```
fayssal@fayssal-VirtualBox:~$ echo "This is the contents of file fayssal2 " > fayssal2
fayssal@fayssal-VirtualBox:~$ cat fayssal2
This is the contents of file fayssal2
fayssal@fayssal-VirtualBox:~$ echo "This is the contents of file fayssal3 " > fayssal3
fayssal@fayssal-VirtualBox:~$ cat fayssal fayssal2 fayssal3
This is the contents of file fayssal
This is the contents of file fayssal2
This is the contents of file fayssal3
fayssal@fayssal-VirtualBox:~$
```

3. Combine two or more files and



```
fayssal@fayssal-VirtualBox:~$ cat fayssal fayssal2 > combined
fayssal@fayssal-VirtualBox:~$ cat combined
This is the contents of file fayssal
This is the contents of file fayssal2
fayssal@fayssal-VirtualBox:~$
```

4. Add the contents of one file to the end of another file:

```
fayssal@fayssal-VirtualBox:~$ cat fayssal >> fayssal2
fayssal@fayssal-VirtualBox:~$ cat fayssal2
This is the contents of file fayssal2
This is the contents of file fayssal
fayssal@fayssal-VirtualBox:~$
```

5. Display the contents of a file with line numbers:

```
fayssal@fayssal-VirtualBox:~$ cat -n combined
 1 This is the contents of file fayssal
 2 This is the contents of file fayssal2
fayssal@fayssal-VirtualBox:~$
```

2. chmod Command

The `chmod` command is a command-line utility used in Unix-based operating systems to **change the access permissions of files and directories**. It stands for "change mode" and is used to **modify the read, write, and execute permissions** for a file or directory.

```
fayssal@fayssal-VirtualBox:~$ chmod 777 fayssal2
fayssal@fayssal-VirtualBox:~$ ls -lt
total 80
-rwxrwxrwx 1 fayssal fayssal 76 18:52 21 مایس fayssal2
-rw-rw-r-- 1 fayssal fayssal 76 18:51 21 مایس combined
-rw-rw-r-- 1 fayssal fayssal 39 18:45 21 مایس fayssal3
-rw-rw-r-- 1 fayssal fayssal 37 18:42 21 مایس fayssal
```

3. History Command

The `history` command is used to display a list of previously executed commands from the user's command history.

1. `history` : Display the list of previously executed commands along with their line numbers

```
fayssal@fayssal-VirtualBox:~$ history
1  ls
2  sudo ./VBoxLinuxAdditions.run
3  ls
4  ls 6l
5  ls -t
6  setxkbmap fr
7  loadkeys fr
8  sudo loadkeys fr
9  ls -l
10 ls -R
11 pwd
12 cd ~
13 cd Desktop
14 cd ~
15 cd -
```

2. `history n` : Display the last `n` commands from the command history.

```
fayssal@fayssal-VirtualBox:~$ history 3
57 ls -lt
58 history
59 history 3
fayssal@fayssal-VirtualBox:~$
```

4. Remove Command

`rm file.txt` : Remove a single file named `file.txt`

```
fayssal@fayssal-VirtualBox:~$ rm fayssal3
fayssal@fayssal-VirtualBox:~$ ls
combined  D2  Desktop  Downloads  fayssal2  my_directory  New  Pic
D1        D3  Documents  fayssal    Music     my_directory2  parent_dir  Pub
fayssal@fayssal-VirtualBox:~$
```

`rm -r directory` : Remove a directory and its contents recursively.

```
fayssal@fayssal-VirtualBox:~$ ls parent_dir
child_dir
fayssal@fayssal-VirtualBox:~$ rm -r parent_dir
fayssal@fayssal-VirtualBox:~$ ls parent_dir
ls: cannot access 'parent_dir': No such file or directory
fayssal@fayssal-VirtualBox:~$
```

`rm -i file.txt` : Remove a file and prompt for confirmation before removing it.

```
fayssal@fayssal-VirtualBox:~$ ls
combined  D1  D2  D3  Desktop  Documents  Downloads  fayssal2  Music  my_directory
fayssal@fayssal-VirtualBox:~$ rm -i fayssal2
rm: remove regular file 'fayssal2'? y
fayssal@fayssal-VirtualBox:~$ ls
combined  D1  D2  D3  Desktop  Documents  Downloads  Music  my_directory  my_director
fayssal@fayssal-VirtualBox:~$
```

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_Fayssal 🙌

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