

Dhruv Joshi (23/SCA/BCA(DS&BDA)/010)

Command : Who
Whoami

```
[root@localhost ~]# whoami  
root  
[root@localhost ~]#
```

Command : tty

```
[root@localhost ~]# tty  
/dev/hvc0  
[root@localhost ~]#
```

Command: ls

```
[root@localhost ~]# ls  
bench.py  hello.c  output.txt
```

Command : ls-l

```
[root@localhost ~]# ls -l  
total 12  
-rw-r--r-- 1 root root 114 Dec 26  2020 bench.py  
-rw-r--r-- 1 root root 185 Sep  9  2018 hello.c  
-rw-r--r-- 1 root root 236 Nov 13 17:54 output.txt
```

Command: man

```
LS(1)                                User Commands                                LS(1)

NAME
    ls - list directory contents

SYNOPSIS
    ls [OPTION]... [FILE]...

DESCRIPTION
    List information about the FILES (the current directory by default).
    Sort entries alphabetically if none of -cftuvSUX nor --sort is speci-
    fied.

    Mandatory arguments to long options are mandatory for short options
    too.

    -a, --all
        do not ignore entries starting with .

    -A, --almost-all
        do not list implied . and ..

    --author
        with -l, print the author of each file

    -b, --escape
        print C-style escapes for nongraphic characters

    --block-size=SIZE
```

Command : cal

```
[root@localhost ~]# cal
      November 2024
Su Mo Tu We Th Fr Sa
                1  2
 3  4  5  6  7  8  9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
```

Command : date

```
[root@localhost ~]# date
Wed Nov 13 06:18:12 PM UTC 2024
[root@localhost ~]#
```

Command : echo

```
[root@localhost ~]# echo " My name is Dhruv Joshi."
My name is Dhruv Joshi.
```

Command : cat

```
[root@localhost ~]# cat >file1.txt
I am Dhruv Joshi.
I am studying in BCA.
```

Command : mkdir

```
[root@localhost ~]# mkdir dir1
[root@localhost ~]# ls
bench.py  dir1  file1.txt  hello.c  output.txt
[root@localhost ~]#
```

Command : cmp

```
[root@localhost ~]# cmp file1.txt file2.txt
file1.txt file2.txt differ: byte 12, line 1
```

Command : comm

```
[root@localhost ~]# comm file1.txt file3.txt
      I am Dhruv joshi.
I am Dhruv Joshi.
      I am in bca.
I am studying in BCA.
```

Command : diff

```
[root@localhost ~]# diff file1.txt file3.txt
1,2c1,2
< I am Dhruv Joshi.
< I am studying in BCA.
---
> I am Dhruv joshi.
> I am in bca.
```

Command : head

```
[root@localhost ~]# head -n 4 file2.txt
I am Dhruv joshi.
studying in bca.
2
3
```

Command : tail

```
[root@localhost ~]# tail -n 4 file2.txt
studying in bca.
2
3
4
```

Command : gzip

```
[root@localhost ~]# gzip *.txt
ls
[root@localhost ~]# ls
bench.py  file1.txt.gz  file3.txt.gz  output.txt.gz
dir1      file2.txt.gz  hello.c
[root@localhost ~]#
```

Command :gunzip

```
[root@localhost ~]# gunzip *.gz
[root@localhost ~]# ls
bench.py  dir1  file1.txt  file2.txt  file3.txt  hello.c  output.txt
```

Command : tar

```
[root@localhost ~]# tar -cvf store.tar file1.txt file2.txt
file1.txt
file2.txt
[root@localhost ~]# ls
bench.py  dir1  file1.txt  file2.txt  file3.txt  hello.c  output.txt  store.tar
[root@localhost ~]#
```

Command : pr

```
[root@localhost ~]# pr file1.txt

2024-11-13 18:20                                file1.txt                                Page 1

I am Dhruv Joshi.
I am studying in BCA.
```

Command: cut

```
[root@localhost ~]# cut -c1-5 file1.txt
I am
I am
```

Command : paste

```
[root@localhost ~]# paste file1.txt file2.txt
I am Dhruv Joshi.      I am Dhruv joshi.
I am studying in BCA.  studying in bca.
2
3
4
```

Command : sort

```
[root@localhost ~]# sort file1.txt
I am Dhruv Joshi.
I am studying in BCA.
[root@localhost ~]# sort -r file1.txt
I am studying in BCA.
I am Dhruv Joshi.
```

Command : uniq

```
[root@localhost ~]# cat> file6.txt
Anu
Anu
Anu
Alice
Alice
[root@localhost ~]#
[root@localhost ~]# uniq file6.txt
Anu
Alice
```

Command : tr

```
[root@localhost ~]# tr 'a-z' 'A-Z' < file1.txt
I AM DHRUV JOSHI.
I AM STUDYING IN BCA.
```

Command : ps

```
[root@localhost ~]# ps
  PID TTY          TIME CMD
   47 hvc0       00:00:04 sh
  185 hvc0       00:00:03 ps
```


Command : chown

```
[root@localhost ~]# ls -l
total 52
-rw-r--r-- 1 root root 114 Dec 26 2020 bench.py
drwxr-xr-x 2 root root 37 Nov 13 18:21 dir1
-rw-r--r-- 1 root root 40 Nov 13 18:20 file1.txt
-rw-r--r-- 1 root root 40 Nov 13 18:51 file2.txt
-rw-r--r-- 1 root root 40 Nov 13 18:51 file3.txt
-rw-r--r-- 1 root root 22 Nov 13 18:54 file4.txt
-rw-r--r-- 1 root root 23 Nov 13 18:56 file5.txt
-rw-r--r-- 1 root root 24 Nov 13 18:59 file6.txt
-rw-r--r-- 1 root root 185 Sep 9 2018 hello.c
-rw-r--r-- 1 root root 236 Nov 13 17:54 output.txt
-rw-r--r-- 1 root root 10240 Nov 13 18:39 store.tar
[root@localhost ~]# sudo useradd Dhruv
[root@localhost ~]# chown Dhruv file1.txt
[root@localhost ~]# ls -l
total 52
-rw-r--r-- 1 root root 114 Dec 26 2020 bench.py
drwxr-xr-x 2 root root 37 Nov 13 18:21 dir1
-rw-r--r-- 1 Dhruv root 40 Nov 13 18:20 file1.txt
-rw-r--r-- 1 root root 40 Nov 13 18:51 file2.txt
-rw-r--r-- 1 root root 40 Nov 13 18:51 file3.txt
-rw-r--r-- 1 root root 22 Nov 13 18:54 file4.txt
-rw-r--r-- 1 root root 23 Nov 13 18:56 file5.txt
-rw-r--r-- 1 root root 24 Nov 13 18:59 file6.txt
-rw-r--r-- 1 root root 185 Sep 9 2018 hello.c
-rw-r--r-- 1 root root 236 Nov 13 17:54 output.txt
-rw-r--r-- 1 root root 10240 Nov 13 18:39 store.tar
```

Command : chgrp

```
[root@localhost ~]# sudo groupadd students
[root@localhost ~]# ls -l
total 52
-rw-r--r-- 1 root root 114 Dec 26 2020 bench.py
drwxr-xr-x 2 root root 37 Nov 13 18:21 dir1
-rw-r--r-- 1 Dhruv root 40 Nov 13 18:20 file1.txt
-rw-r--r-- 1 root root 40 Nov 13 18:51 file2.txt
-rw-r--r-- 1 root root 40 Nov 13 18:51 file3.txt
-rw-r--r-- 1 root root 22 Nov 13 18:54 file4.txt
-rw-r--r-- 1 root root 23 Nov 13 18:56 file5.txt
-rw-r--r-- 1 root root 24 Nov 13 18:59 file6.txt
-rw-r--r-- 1 root root 185 Sep 9 2018 hello.c
-rw-r--r-- 1 root root 236 Nov 13 17:54 output.txt
-rw-r--r-- 1 root root 10240 Nov 13 18:39 store.tar
[root@localhost ~]# chgrp students file1.txt
[root@localhost ~]# ls -l
total 52
-rw-r--r-- 1 root root 114 Dec 26 2020 bench.py
drwxr-xr-x 2 root root 37 Nov 13 18:21 dir1
-rw-r--r-- 1 Dhruv students 40 Nov 13 18:20 file1.txt
-rw-r--r-- 1 root root 40 Nov 13 18:51 file2.txt
-rw-r--r-- 1 root root 40 Nov 13 18:51 file3.txt
-rw-r--r-- 1 root root 22 Nov 13 18:54 file4.txt
-rw-r--r-- 1 root root 23 Nov 13 18:56 file5.txt
-rw-r--r-- 1 root root 24 Nov 13 18:59 file6.txt
-rw-r--r-- 1 root root 185 Sep 9 2018 hello.c
-rw-r--r-- 1 root root 236 Nov 13 17:54 output.txt
-rw-r--r-- 1 root root 10240 Nov 13 18:39 store.tar
```


Command : chmod

```
[root@localhost ~]# chmod 777 file1.txt
[root@localhost ~]# ls -l
total 52
-rw-r--r-- 1 root root 114 Dec 26 2020 bench.py
drwxr-xr-x 2 root root 37 Nov 13 18:21 dir1
-rwxrwxrwx 1 Dhruv students 40 Nov 13 18:20 file1.txt
-rw-r--r-- 1 root root 40 Nov 13 18:51 file2.txt
-rw-r--r-- 1 root root 40 Nov 13 18:51 file3.txt
-rw-r--r-- 1 root root 22 Nov 13 18:54 file4.txt
-rw-r--r-- 1 root root 23 Nov 13 18:56 file5.txt
-rw-r--r-- 1 root root 24 Nov 13 18:59 file6.txt
-rw-r--r-- 1 root root 185 Sep 9 2018 hello.c
-rw-r--r-- 1 root root 236 Nov 13 17:54 output.txt
-rw-r--r-- 1 root root 10240 Nov 13 18:39 store.tar
```

Command : &

```
[root@localhost ~]# sort file3.txt &
[1] 222
[root@localhost ~]# I am Dhruv Joshi.
I am studying in BCA.

[1]+  Done                  sort file3.txt
[root@localhost ~]#
```

Command : nohup

```
[root@localhost ~]# nohup sort -n file3.txt

nohup: ignoring input and appending output to 'nohup.out'
[root@localhost ~]#
[root@localhost ~]# cat nohup.out
I am Dhruv Joshi.
```

