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Command 1:-who

whoami

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

Command 2:-tty

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

Command 3:-ls

```
[root@localhost ~]# ls
bin    dev    home  lib64  media  opt    root  sbin  sys  usr
boot  etc    lib   lost+found  mnt    proc   run   srv   tmp  var
```

Command 4:- ls -l

```
[root@localhost ~]# ls -l
total 72
lrwxrwxrwx  1 root root    7 Aug 12  2020 bin -> usr/bin
drwxrwxr-x  2 root root   37 Dec  7  2020 boot
drwxr-xr-x  3 root root 12180 Dec 31  1969 dev
drwxr-xr-x 125 root root  6673 Dec 26  2020 etc
drwxr-xr-x  2 root root   37 Aug 12  2020 home
lrwxrwxrwx  1 root root    9 Aug 12  2020 lib -> usr/lib
lrwxrwxrwx  1 root root   10 Aug 12  2020 lib64 -> usr/lib64
drwx-----  2 root root   37 Dec  7  2020 lost+found
drwxr-xr-x  2 root root   37 Aug 12  2020 media
drwxr-xr-x  2 root root   37 Aug 12  2020 mnt
drwxr-xr-x  2 root root   37 Aug 12  2020 opt
dr-xr-xr-x 29 root root    0 Dec 31  1969 proc
dr-xr-xr-x  2 root root  243 Dec 26  2020 root
drwxr-xr-x 26 root root   716 Dec 26  2020 run
lrwxrwxrwx  1 root root    8 Aug 12  2020 sbin -> usr/sbin
drwxr-xr-x  2 root root   37 Aug 12  2020 srv
dr-xr-xr-x 11 root root    0 Dec 31  1969 sys
drwxrwxrwt  3 root root   188 Dec 26  2020 tmp
drwxr-xr-x 12 root root   274 Dec  7  2020 usr
drwxr-xr-x 19 root root   457 Dec  7  2020 var
```

Command 5:- 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

Manual page ls(1) line 1 (press h for help or q to quit)
```

Command 6:-cal

```
[root@localhost /]# cal
    October 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 31
```

Command 7:- date

```
[root@localhost /]# date
Wed Oct  9 08:21:40 PM UTC 2024
```

Command 8 :- echo

```
[root@localhost /]# echo "your name"
your name
```

Command 9:- cat

```
[root@localhost /]# cat >file1.txt
hello guys
^Z
```

Command 10:- mkdir

```
[root@localhost /]# mkdir dir1
[root@localhost /]# ls
bin  dev  etc  home  lib64  media  opt  root  sbin  sys  usr
boot  dir1  file.txt  lib  lost+found  mnt  proc  run  srv  tmp  var
[root@localhost /]#
```

Command 11:- cmp

```
[root@localhost /]# cmp file1.txt file2.txt
cmp: EOF on file1.txt after byte 11, line 1
```

Command 12:- comm

```
[root@localhost /]# comm file1.txt file2.txt
      hello guys
      i am a student
```

Command 13:- diff

```
[root@localhost /]# diff file1.txt file2.txt
1a2
> i am a student
```

Command 14:- head

```
[root@localhost /]# head -n2 file3.txt
hello
gus
```

Command 15:- tail

```
[root@localhost /]# tail -n2 file3.txt
i am a student
of shell
```

Command 16 :- chown username file

chgrp username file

```
root@localhost /]# cat >dhruv.txt
hello i m dhruv sharma
i am learnig cyber security
^Z
[1]+  Stopped(SIGTSTP)      cat > dhruv.txt
root@localhost /]# ll dhruv.txt
-rw-r--r-- 1 root root 51 Sep 11 19:49 dhruv.txt
root@localhost /]# adduser kali
root@localhost /]# cdhome
sh: cdhome: command not found
root@localhost /]# cd home
root@localhost home]# ls
kali
root@localhost home]# cd/
sh: cd/: No such file or directory
root@localhost home]# cd /
root@localhost /]# chown dhruv.txt kali
chown: invalid user: 'dhruv.txt'
root@localhost /]# chown kali dhruv.txt
root@localhost /]# ll dhruv.txt
-rw-r--r-- 1 kali root 51 Sep 11 19:49 dhruv.txt
root@localhost /]# addgroup login
sh: addgroup: command not found
root@localhost /]# groupadd login
root@localhost /]# chgrp login dhruv.txt
root@localhost /]# ll dhruv.txt
-rw-r--r-- 1 kali login 51 Sep 11 19:49 dhruv.txt
root@localhost /]#
```

Command 17:- chmod

```
[root@localhost /]# chmod 777 dhruv.txt
[root@localhost /]# ll dhruv .txt
ls: cannot access 'dhruv': No such file or directory
ls: cannot access '.txt': No such file or directory
[root@localhost /]# ll dhruv.txt
-rwxrwxrwx 1 kali login 51 Sep 11 19:49 dhruv.txt
[root@localhost /]# chmod u-w dhruv.txt
[root@localhost /]# ll dhruv.txt
-r-xrwxrwx 1 kali login 51 Sep 11 19:49 dhruv.txt
[root@localhost /]#
```

Command 18:- gzip
gunzip

```
[root@localhost /]# gzip dhruv*
[root@localhost /]# ls
bin          dhruv13.gz  dhruv19.gz  dhruv5.gz    etc          mnt  srv
boot        dhruv14.gz  dhruv1.gz   dhruv6.gz    home         opt  sys
dev         dhruv15.gz  dhruv20.gz  dhruv7.gz    lib          proc tmp
dhruv10.gz  dhruv16.gz  dhruv2.gz   dhruv8.gz    lib64        root usr
dhruv11.gz  dhruv17.gz  dhruv3.gz   dhruv9.gz    lost+found   run  var
dhruv12.gz  dhruv18.gz  dhruv4.gz   dhruv.txt.gz media        sbin
```

```
[root@localhost /]# gunzip dhruv*
gzip: dhruv1: unknown suffix -- ignored
gzip: dhruv1 already exists; do you wish to overwrite (y or n)? y
[root@localhost /]# ls
bin          dhruv11  dhruv16  dhruv20  dhruv7    home    mnt  sbin  var
boot        dhruv12  dhruv17  dhruv3   dhruv8    lib     opt  srv
dev         dhruv13  dhruv18  dhruv4   dhruv9    lib64   proc sys
dhruv1      dhruv14  dhruv19  dhruv5   dhruv.txt lost+found root tmp
dhruv10     dhruv15  dhruv2   dhruv6   etc       media  run  usr
```