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BCA(CS) 3D

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Command chmod

Command who, whoami

Command man

```
—(kali⊛kali)-[~]
—$ man --usage
Usage: man [-dDfkKlwWciIau7tZ?V] [-C FILE] [-R ENCODING] [-L LOCALE]
           [-m SYSTEM] [-M PATH] [-S LIST] [-s LIST] [-e EXTENSION]
           [-P PAGER] [-r STRING] [-E ENCODING] [-p STRING] [-T[DEVICE]]
           [-H[BROWSER]] [-X[RESOLUTION]] [--config-file=FILE] [--debug]
           [--default] [--warnings[=WARNINGS]] [--whatis] [--apropos]
           [--global-apropos] [--local-file] [--where] [--path] [--location]
           [--where-cat] [--location-cat] [--catman] [--recode=ENCODING]
           [--locale=LOCALE] [--systems=SYSTEM] [--manpath=PATH]
           [--sections=LIST] [--extension=EXTENSION] [--ignore-case]
           [--match-case] [--regex] [--wildcard] [--names-only] [--all]
           [--update] [--no-subpages] [--pager=PAGER] [--prompt=STRING]
           [--ascii] [--encoding=ENCODING] [--no-hyphenation] [--nh]
           [--no-justification] [--nj] [--preprocessor=STRING] [--troff]
           [--troff-device[=DEVICE]] [--html[=BROWSER]]
           [--gxditview[=RESOLUTION]] [--ditroff] [--help] [--usage]
           [--version] [SECTION] PAGE ...
```

Command date

```
—(kali⊛kali)-[~]
—$ date
Wed Oct  9 11:52:40 PM EDT 2024
```

Command echo

```
—(kali⊛kali)-[~]
—$ echo "Hello World"
Hello World
```

Command passwd

```
—(kali⊛kali)-[~]
—$ passwd
Changing password for kali.
Current password:
New password:
Retype new password:
passwd: password updated successfully
```

Command cat, sort numbers

```
└─$ cat number.txt
2
54
78
22
57
17

┌──(kali㉿kali)-[~]
└─$ sort -n number.txt
2
17
22
54
57
78
```

Command cat, sort Strings

```
┌──(kali㉿kali)-[~]
└─$ cat shares.txt
tata
vedanta
jsw steel
gtlinfra
cognizant

┌──(kali㉿kali)-[~]
└─$ sort shares.txt

cognizant
gtlinfra
jsw steel
tata
vedanta
```

Command chmod (Changing Absolute Permission)

```
┌──(kali㉿kali)-[~]
└─$ chmod -R 110 file1.txt

┌──(kali㉿kali)-[~]
└─$ chmod u+x file1.txt

┌──(kali㉿kali)-[~]
└─$ ll file1.txt
──x--x── 1 kali kali 53 Oct  9 23:27 file1.txt
```

Command diff

```
┌──(kali㉿kali)-[~]
└─$ diff file1.txt file2.txt
4c4
<
---
> everything is not common in both files
```

Command cmp

```
┌──(kali㉿kali)-[~]
└─$ cmp file1.txt file2.txt
file1.txt file2.txt differ: byte 53, line 4
```

Command PATH

```
┌──(kali㉿kali)-[~]
└─$ echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/local/games:/usr/games
```

Command ls -a

```
┌──(kali㉿kali)-[~]
└─$ ls -a
.                  .cache      Downloads   .gnupg        number.txt   .sudo_as_admin_successful
..                 .config     .face       .ICEauthority Pictures     Templates
.bash_logout       Desktop     .face.icon  .java         .profile     .vboxclient-clipboard-tty7-control.pid
.bashrc            .dmrc       file1.txt   .local        Public       .vboxclient-clipboard-tty7-service.pid
.bashrc.original   Documents   file2.txt   Music         shares.txt   .vboxclient-display-svga-x11-tty7-contr
```

Command chgrp

Command chown

Command gzip and gunzip

```
 ┌──(anon3881㉿host3881)-[~]
 └─$ gzip test.file.txt

 ┌──(anon3881㉿host3881)-[~]
 └─$ ll test.file.txt
ls: cannot access 'test.file.txt': No such file or directory

 ┌──(anon3881㉿host3881)-[~]
 └─$ ls
Desktop   Documents   Downloads   Music   Pictures   Public   Templates   Videos   'VirtualBox VMs'   Wifi_BruteForce   test.file.txt.gz

 ┌──(anon3881㉿host3881)-[~]
 └─$ gunzip test.file.txt

 ┌──(anon3881㉿host3881)-[~]
 └─$ ls
Desktop   Documents   Downloads   Music   Pictures   Public   Templates   Videos   'VirtualBox VMs'   Wifi_BruteForce   test.file.txt

 ┌──(anon3881㉿host3881)-[~]
 └─$ █
```

Command tar cf, tar xf, tf

```
File  Actions  Edit  View  Help
 ┌──(anon3881㉿host3881)-[~]
 └─$ tar cf testarchive test.file.txt

 ┌──(anon3881㉿host3881)-[~]
 └─$ ls
Desktop   Documents   Downloads   Music   Pictures   Public   Templates   Videos   'VirtualBox VMs'   Wifi_BruteForce   test.file.txt   testarchive

 ┌──(anon3881㉿host3881)-[~]
 └─$ tar tf testarchive
test.file.txt

 ┌──(anon3881㉿host3881)-[~]
 └─$ tar xf testarchive

 ┌──(anon3881㉿host3881)-[~]
 └─$ ls
Desktop   Documents   Downloads   Music   Pictures   Public   Templates   Videos   'VirtualBox VMs'   Wifi_BruteForce   test.file.txt   testarchive

 ┌──(anon3881㉿host3881)-[~]
 └─$ █
```

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

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 23:- sort

```
1
4
5
5
23
23
45
67
root@dhruv-virtual-machine:/#
```

Command 24:- uniq


```
love music
love music
love music

love music of arijeet singh
love music of arijeet singh

5]+  Stopped                 cat > file4.txt
root@dhruv-virtual-machine:/# uniq file4.txt
love music

love music of arijeet singh
love music of arijeet singh
root@dhruv-virtual-machine:/#
```

Command 28:- nohup


```
root@dhruv-virtual-machine:/# nohup sort -n files.txt &
[8] 65300
root@dhruv-virtual-machine:/# nohup: ignoring input and appending output to 'nohup.out'

[8]   Done                 nohup sort -n file5.txt
root@dhruv-virtual-machine:/# cat nohup.out
3
3
4
5
34
34
66
78
678
root@dhruv-virtual-machine:/#
```

Command kill

```
user@debian:~$ ps
    PID TTY          TIME CMD
   2306 pts/0    00:00:00 bash
   2943 pts/0    00:00:00 ps
user@debian:~$ kill 2306
user@debian:~$ █
```

Command nice

```
user@debian:~$ nice wc -l hello.txt
1 hello.txt
user@debian:~$ █
```

Command 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 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 ps

```
user@debian:~$ ps
    PID TTY          TIME CMD
   2302 pts/0    00:00:00 bash
   2325 pts/0    00:00:00 ps
```

Command crontab

```
user@debian:~$ crontab -e
No modification made
user@debian:~$ crontab -l
* * * * * echo "Cron job running at $(date)" >> /home/user/cron_output.txt
user@debian:~$
```

Output-

```
user@debian:~$ cat /home/user/cron_output.txt
Cron job running at Thu Nov  7 04:51:01 PM UTC 2024
Cron job running at Thu Nov  7 04:52:01 PM UTC 2024
Cron job running at Thu Nov  7 04:53:01 PM UTC 2024
user@debian:~$
```