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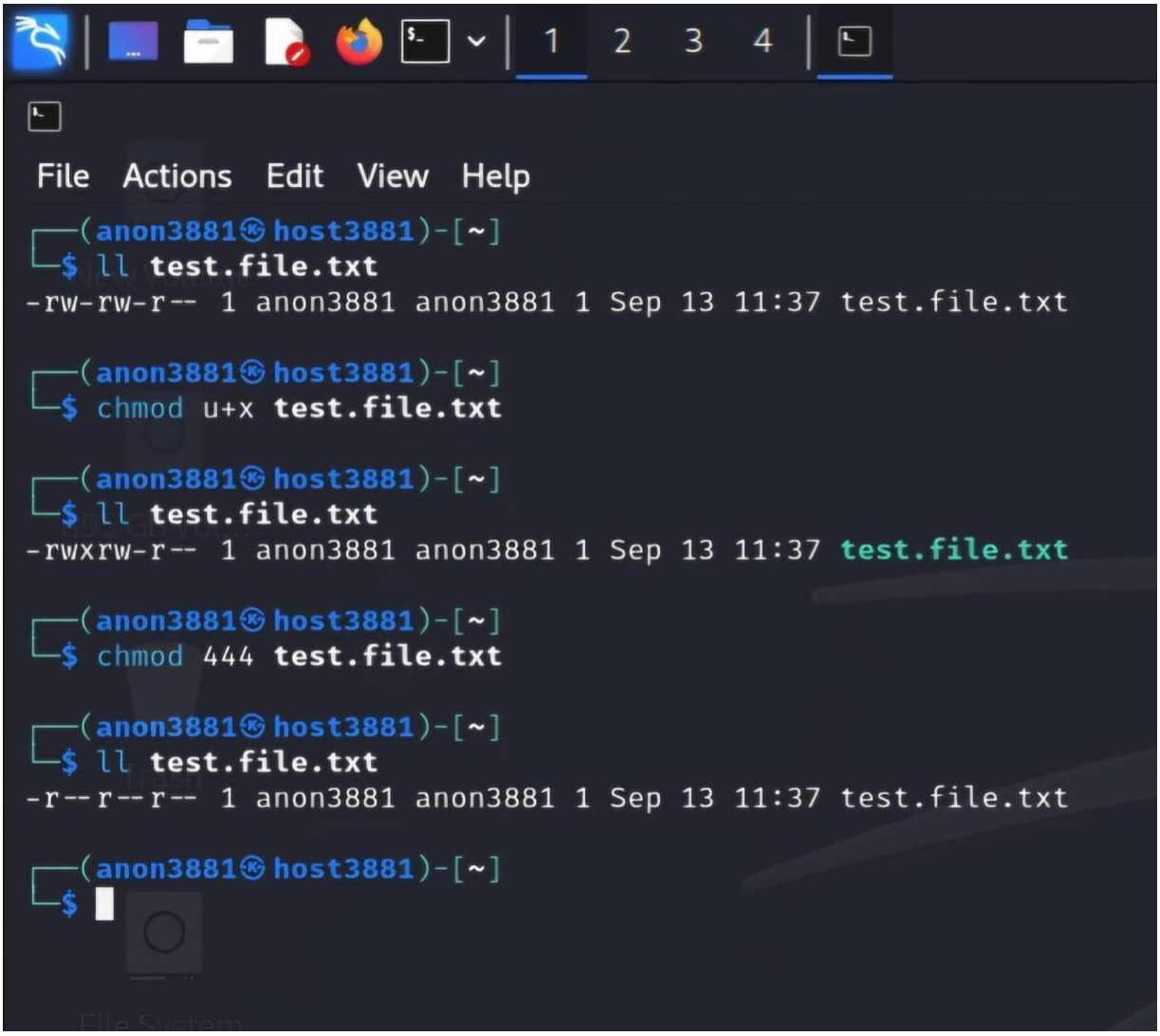
BCA(CS) 3D

23/SCA/BCA(CS)/001

Command chmod



Command who, whoami

```
┌──(kali㉿kali)-[~]
└─$ whoami
kali

┌──(kali㉿kali)-[~]
└─$ who
kali     tty7         2024-10-10 04:06 (:0)
```

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 ...
```

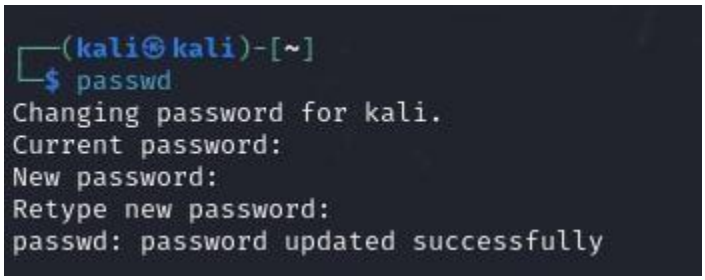
Command date

```
┌──(kali㉿kali)-[~]
└─$ date
Wed Oct  9 11:52:40 PM EDT 2024
```

Command echo

```
┌──(kali㉿kali)-[~]
└─$ echo "Hello World"
Hello World
```

Command passwd



Command cat, sort numbers

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

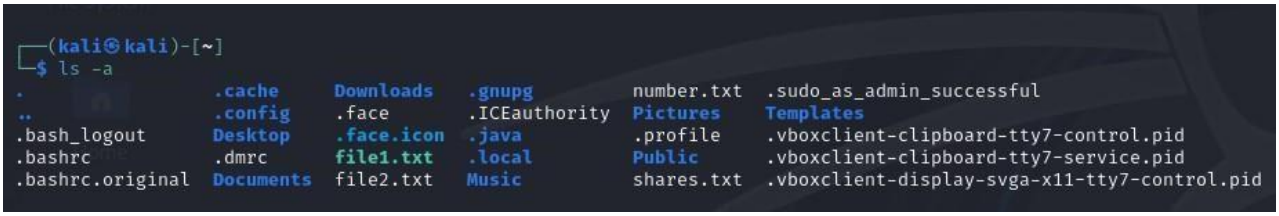
```
┌──(kali㉿kali)-[~]
└─$ diff file1.txt file2.txt
4c4
<
---
> everything is not common in both files
```

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

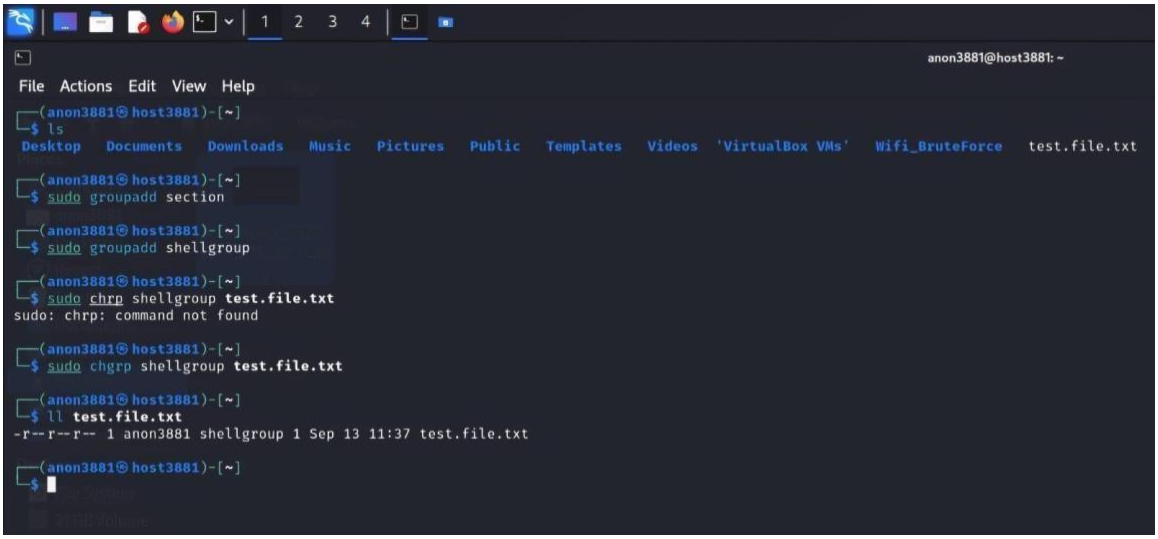
Command cmp

Command PATH

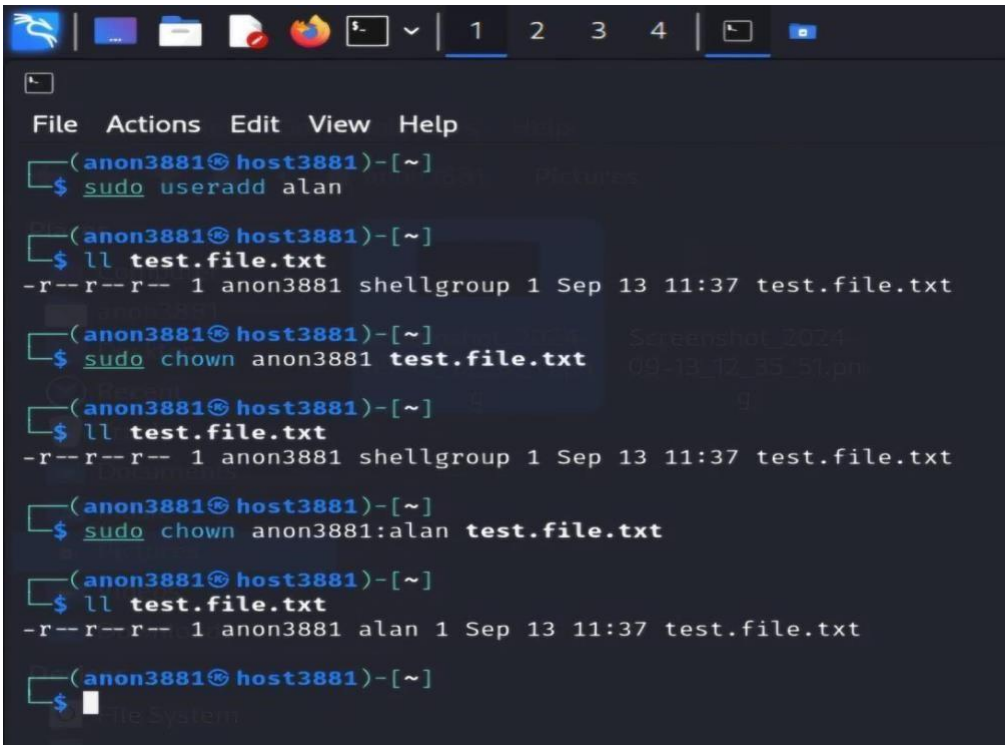
Command ls -a



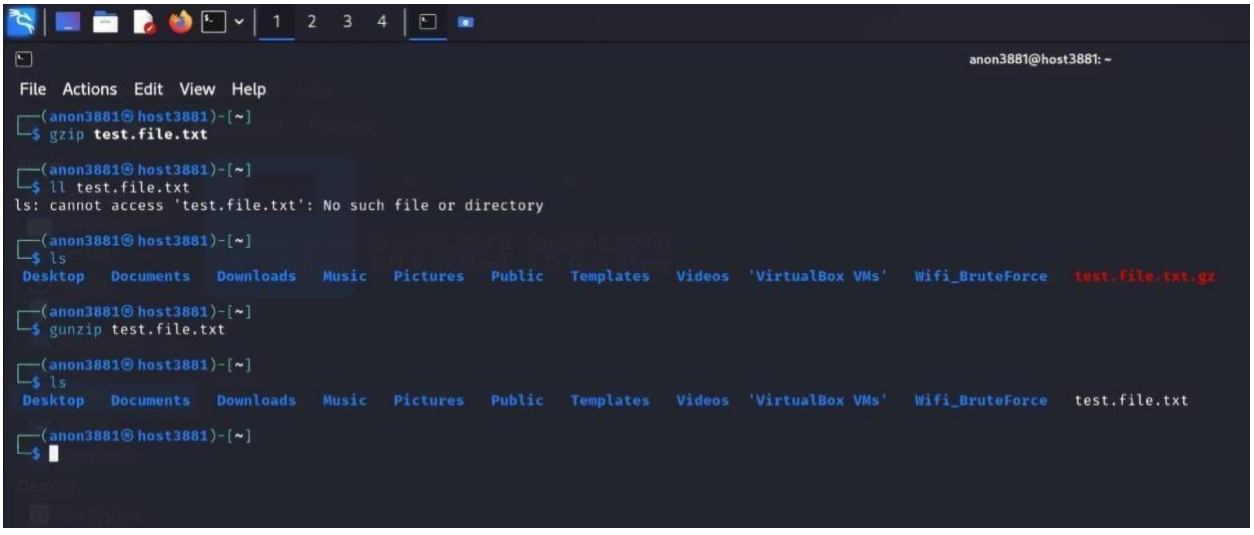
Command chgrp



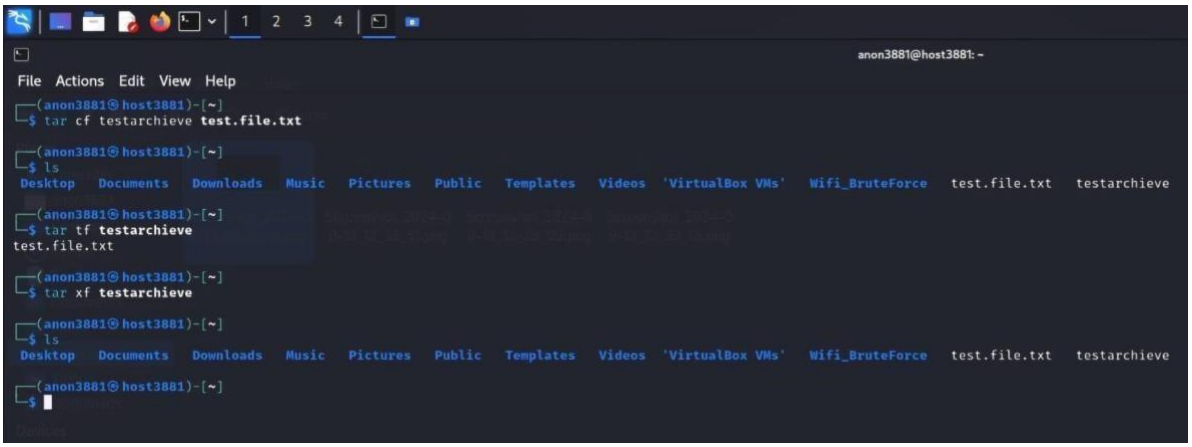
Command chown



Command gzip and gunzip



Command tar cf, tar xf, tf



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

```
3
4
5
5
5
23
23
45
67
root@dhruv-virtual-machine:/#
```

Command 24:- uniq

```
I love music
I love music
I love music

I love music of arijeet singh
i love music of arijeet singh
^Z
[5]+  Stopped                 cat > file4.txt
root@dhruv-virtual-machine:/# uniq file4.txt
I love music

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

Command 28:- nohup

```
[8] 66380
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 /]#
```

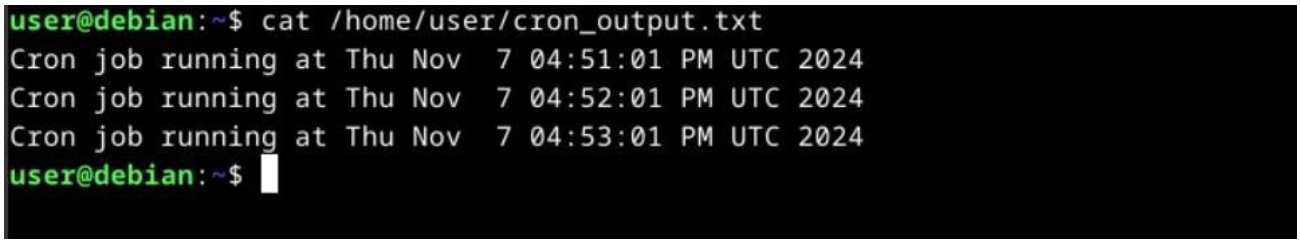
Command ps

```
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:~$