

## OUTPUT:

1.  $\$date + \%m = 01$

$\$date + \%h = \text{Jan}$

$\$date + \%d = 21$

$\$date + \%y = 25$

$\$date + \%H = 08$

$\$date + \%M = 27$

$\$date + \%S = 30$

2.  $\$echo \text{"God is Great"}$

God is Great

3.  $\$cal \text{ Jan } 2025$

January 2025

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	

OUTPUT:

4. echo "10+10" | bc  
20

6. \$who am i

cse17 pts/17 2025-02-01 8:16 (172.16.9.26)

7. \$id

uid = 1016 (cse17) gid = 1016 (cse17) groups = 1016 (cse17)

context = unconfined\_u:unconfined\_r:unconfined\_t:so-sb:co

id-u

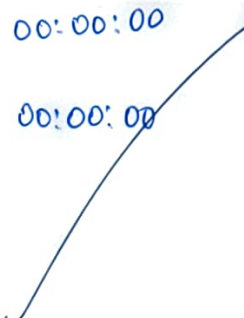
1015

8. \$tty

/dev/pts/17

11. \$ps

PID	TTY	TIME	CMD
1936	pts/17	00:00:00	bash
2569	pts/17	00:00:00	ps



## OUTPUTS:

12. \$uname -n

local host . local domain

• \$uname -m

i686

• \$uname -r

4.11.8-300.fc26.i686.PAE

• \$uname -s

linux

• \$uname -v

#1 SMP THU JUN 29 20:38:21 UTC 2017

• \$uname -a

linux local host local domain 4.11.8-300.fc26.i686.PAE

#1 SMP Thu Jun 29 20:38:21 UTC 2017 i686 i686

i386 GNU/Linux.

1.2) Directory commands.

\$pwd

1. /home/cse17

2. \$mkdir reeee - File exists.

5. \$ls

cse cse.sh ex1.sh ex2.sh ex3.sh sample.sh

### 1.3) File Handling commands

3) \$cat > rec

Hi

\$cat > demo

\$cp rec demo

cat demo

Hi

5) \$cat > rec

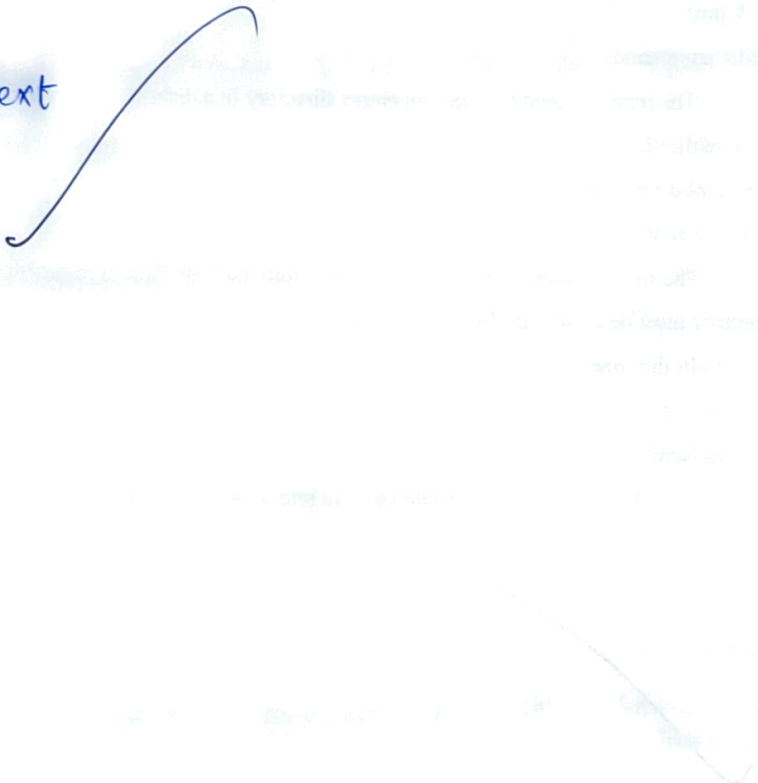
Hi

\$cat > sample

\$mv rec sample

Hi

6) ASCII text



7) \$wc recce

1 2 16 rec

9) \$who | wc -l

11 11 71 rec

10) \$who | tee sample | wc -l

11 11 71 rec

11) \$ls rwx

ls ? ec → rec

OUTPUT: (Grouping commands)

1. \$ who ; date

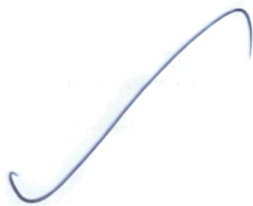
student pts/0 2025-02-03 09:05(:0)

student pts/1 2025-02-03 09:06(:0)

Mon Feb 3 09:06:28 IST 2025

2. \$ who & date

Mon Feb 3 09:08:58 IST 2025



3. Break \$who 11 date

February 2025

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	



OUTPUT:

1. `dfree -t`

	total	used	free	shared	buff/cache
Mem:	4062904	651820	2602176	162148	1068280
Swap:	3424252	0	3424252		
Total:	7487156	651820	6026428		

2) `top`

2343 root 20 0. . . . .

3) `ps -e`

1 ? 00:00:01 systemd



OUTPUT:

4. vmstat

u	b	supd	free	buff	cache	si	so	bi	bo	in
0	0	0	186008	69132	1000884	0	0	217	124	208...

5. df

dev	tmpfs	986180	0	986180	0%	/dev
-----	-------	--------	---	--------	----	------

⋮

6. ping 172.16.4.1

64 bytes 172.16.4.1 : icmp - seq = 1 ttl = 64 time = 0.193 ms

⋮

1. The first part of the document is a list of the names of the people who were present at the meeting.



2. The second part of the document is a list of the names of the people who were present at the meeting.

3. The third part of the document is a list of the names of the people who were present at the meeting.

4. The fourth part of the document is a list of the names of the people who were present at the meeting.

```
64 bytes from 172.16.4.1: icmp_seq=3 ttl=64 time=0.264 ms
64 bytes from 172.16.4.1: icmp_seq=4 ttl=64 time=0.312 ms
^C
--- 172.16.4.1 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3000ms
rtt min/avg/max/mdev = 0.228/0.283/0.328/0.039 ms
```

## 7. ifconfig

It is used to configure network interface.

**synopsis-** ifconfig [options]

### example

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

```
enp2s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu
1500  inet 172.16.6.102 netmask 255.255.252.0 broadcast 172.16.7.255  inet6
fe80::4a0f:cfff:fe6d:6057 prefixlen 64 scopeid 0x20<link>
ether 48:0f:cf:6d:60:57 txqueuelen 1000 (Ethernet)
```

```
RX packets 23216 bytes 2483338 (2.3 MiB)
RX errors 0 dropped 5 overruns 0 frame 0
TX packets 1077 bytes 107740 (105.2 KiB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0 8.
```

## traceroute

It tracks the route the packet takes to reach the destination.

**synopsis-** traceroute [options]

### example

```
[root@localhost ~]# traceroute www.rajalakshmi.org
traceroute to www.rajalakshmi.org (220.227.30.51), 30 hops max, 60 byte
packets  1 gateway (172.16.4.1) 0.299 ms 0.297 ms 0.327 ms
 2 220.225.219.38 (220.225.219.38) 6.185 ms 6.203 ms 6.189 ms
```

## Result:

Thus the basic linux commands were executed successfully.

4/12/25