

1. date

```
chaitanya@pascal-dreams:~/OS/21CE81D$ date
Tue Sep 20 05:44:18 AM IST 2022
```

2. cal

```
chaitanya@pascal-dreams:~/OS/21CE81D$ cal
      September 2022
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
```

3. Cal 01 2002

```
chaitanya@pascal-dreams:~/OS/21CE81D$ cal 01 2002
      January 2002
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
```

4. whoami

```
chaitanya@pascal-dreams:~/OS/21CE81D$ whoami
chaitanya
```

5. ls

```
chaitanya@pascal-dreams:~/OS/21CE81D$ ls
React
```

6. ls -l

```
chaitanya@pascal-dreams:~/OS/21CE81D$ ls -l
total 4
drwxr-xr-x 2 chaitanya chaitanya 4096 Sep 20 06:01 React
```

7. cd

```
chaitanya@pascal-dreams:~/OS/21CE81D$ cd React/
chaitanya@pascal-dreams:~/OS/21CE81D/React$
```

8. cd ..

```
chaitanya@pascal-dreams:~/OS/21CE81D/React$ cd ..
chaitanya@pascal-dreams:~/OS/21CE81D$
```

9. cd /

```
chaitanya@pascal-dreams:~/OS/21CE81D$ cd /
chaitanya@pascal-dreams:/$
```

10. mkdir

```
chaitanya@pascal-dreams:~/OS/21CE81D$ mkdir Test
chaitanya@pascal-dreams:~/OS/21CE81D$ ls
React Test
```

11. rmdir

```
chaitanya@pascal-dreams:~/OS/21CE81D$ rmdir Test
chaitanya@pascal-dreams:~/OS/21CE81D$ ls
React
```

12. vi commands.txt

```
chaitanya@pascal-dreams: ~/OS/21CE81D
File Actions Edit View Help
npm
ping
touch
-- INSERT -- 3,6 All
```

13. touch

```
chaitanya@pascal-dreams:~/OS/21CE81D$ touch test.txt
chaitanya@pascal-dreams:~/OS/21CE81D$ ls
commands.txt React test.txt
```

14. cp

```
chaitanya@pascal-dreams:~/OS/21CE81D$ cp commands.txt commandsCopy.txt
chaitanya@pascal-dreams:~/OS/21CE81D$ ls
commandsCopy.txt commands.txt React test.txt
```

15. mv

```
chaitanya@pascal-dreams:~/OS/21CE81D$ mv commands.txt ./React/
chaitanya@pascal-dreams:~/OS/21CE81D$ ls
commandsCopy.txt React test.txt

chaitanya@pascal-dreams:~/OS/21CE81D/React$ ls
commands.txt
```

16. clear or ctrl+l

```
chaitanya@pascal-dreams:~/OS/21CE81D$ mv commands.txt ./React/
chaitanya@pascal-dreams:~/OS/21CE81D$ ls
commandsCopy.txt React test.txt
chaitanya@pascal-dreams:~/OS/21CE81D$ cd React/
chaitanya@pascal-dreams:~/OS/21CE81D/React$ ls
commands.txt
chaitanya@pascal-dreams:~/OS/21CE81D/React$ clear
```

```
chaitanya@pascal-dreams:~/OS/21CE81D/React$
```

17. Exit

```
chaitanya@pascal-dreams:~/OS/21CE81D$ exit
```

18. uname

```
chaitanya@pascal-dreams:~/OS/21CE81D$ uname
Linux
```

19. uname -r

```
chaitanya@pascal-dreams:~/OS/21CE81D$ uname -r
5.10.0-kali4-amd64
```

20. uname -n

```
chaitanya@pascal-dreams:~/OS/21CE81D$ uname -n
pascal-dreams
```

21. echo

```
chaitanya@pascal-dreams:~/OS/21CE81D$ echo Hello
Hello
```

22. df

```
chaitanya@pascal-dreams:~/OS/21CE81D$ df
df: /run/user/1001/doc: Operation not permitted
Filesystem      1K-blocks      Used Available Use% Mounted on
udev            1694816         0    1694816   0% /dev
tmpfs           347196        1348     345848   1% /run
/dev/sda5       56637304 39256104 14474476  74% /
tmpfs           1735976     391984    1343992  23% /dev/shm
tmpfs            5120         0         5120   0% /run/lock
tmpfs           347192        108     347084   1% /run/user/1001
```

23. ps

```
chaitanya@pascal-dreams:~/OS/21CE81D$ ps
  PID TTY          TIME CMD
 5910 pts/0        00:00:00 bash
 6214 pts/0        00:00:00 ps
```

24. ps -f

```
chaitanya@pascal-dreams:~/OS/21CE81D$ ps -f
UID          PID    PPID  C STIME TTY          TIME CMD
chaitan+    5910     5906  0 06:25 pts/0        00:00:00 /bin/bash
chaitan+    6225     5910  0 06:28 pts/0        00:00:00 ps -f
```

25. ps -a

```
chaitanya@pascal-dreams:~/OS/21CE81D$ ps -a
  PID TTY          TIME CMD
 6277 pts/0        00:00:00 ps
```

26. ps -e

```
chaitanya@pascal-dreams:~/OS/21CE81D$ ps -e
  PID TTY          TIME CMD
    1 ?           00:00:03 systemd
    2 ?           00:00:00 kthreadd
    3 ?           00:00:00 rcu_gp
    4 ?           00:00:00 rcu_par_gp
    9 ?           00:00:00 mm_percpu_wq
```

27. file

```
chaitanya@pascal-dreams:~/OS/21CE81D$ file commandsCopy.txt
commandsCopy.txt: ASCII text
```

28. wc

```
chaitanya@pascal-dreams:~/OS/21CE81D$ wc commandsCopy.txt
 4  3 16 commandsCopy.txt
```

29. head | tee

```
chaitanya@pascal-dreams:~/OS/21CE81D$ head commands.txt | tee commandsCopy.txt
npm
ping
touch
```

30. head

```
chaitanya@pascal-dreams:~/OS/21CE81D$ head test.txt
1
2 Computer
3
4 chaitanya
5 Desktop
6
7 Trash
8
9 Documents
10 Music
```

31. tail

```
chaitanya@pascal-dreams:~/OS/21CE81D$ tail test.txt
21
22
23
24 Computer
25
26 chaitanya
27 Desktop
28
29 Trash
30
```

32. head -n4

```
chaitanya@pascal-dreams:~/OS/21CE81D$ head -n4 test.txt
1 Music
2
3 Pictures
4
```

33. tail -n4

```
chaitanya@pascal-dreams:~/OS/21CE81D$ tail -n4 test.txt
27 Downloads
28
29 vices
30
```

34. sort -t "l" -k2

```
chaitanya@pascal-dreams:~/OS/21CE81D$ sort -t "l" -k2 test.txt
1
2 Documents
20 Music
21
22 Pictures
23
24 Videos
25 Downloads
26
27 vices
28
29 File System
3 315 GB Volume
30
4 122 GB Volume
5
6 network
7 Browse Network
8
9
10
11
12
13
14 1 folder, 3 files, 113 bytes, Free space: 13.9 GB
15
16
17
18 15daysChall exp4Micro Signin quiz.txt
19
```

35. grep -n cal word.txt

```
chaitanya@pascal-dreams:~/OS/21CE81D$ grep -n Cal word.txt
8:Calculator
9:Calculating
```

36. grep at

```
chaitanya@pascal-dreams:~/OS/21CE81D$ grep at word.txt
Cat Desktop
Sat
Bat Trash
Rat
Mat Documents
That Music
Batch
```

37. grep Wh

```
chaitanya@pascal-dreams:~/OS/21CE81D$ grep Wh word.txt
When
Whereas
Which
What
```

38. host

```
chaitanya@pascal-dreams:~/OS/21CE81D$ host 8.8.8.8
8.8.8.8.in-addr.arpa domain name pointer dns.google.
```

39. grep -c

```
chaitanya@pascal-dreams:~/OS/21CE81D$ grep -c "Wh" word.txt
4
```

40. grep -l or grep -L

```
chaitanya@pascal-dreams:~/OS/21CE81D$ grep -l "Hello" *
commandsCopy.txt
grep: React: Is a directory
word.txt
```

```
chaitanya@pascal-dreams:~/OS/21CE81D$ grep -L "Hello" *
grep: React: Is a directory
React
test.txt
```