

WAQAR AHMED

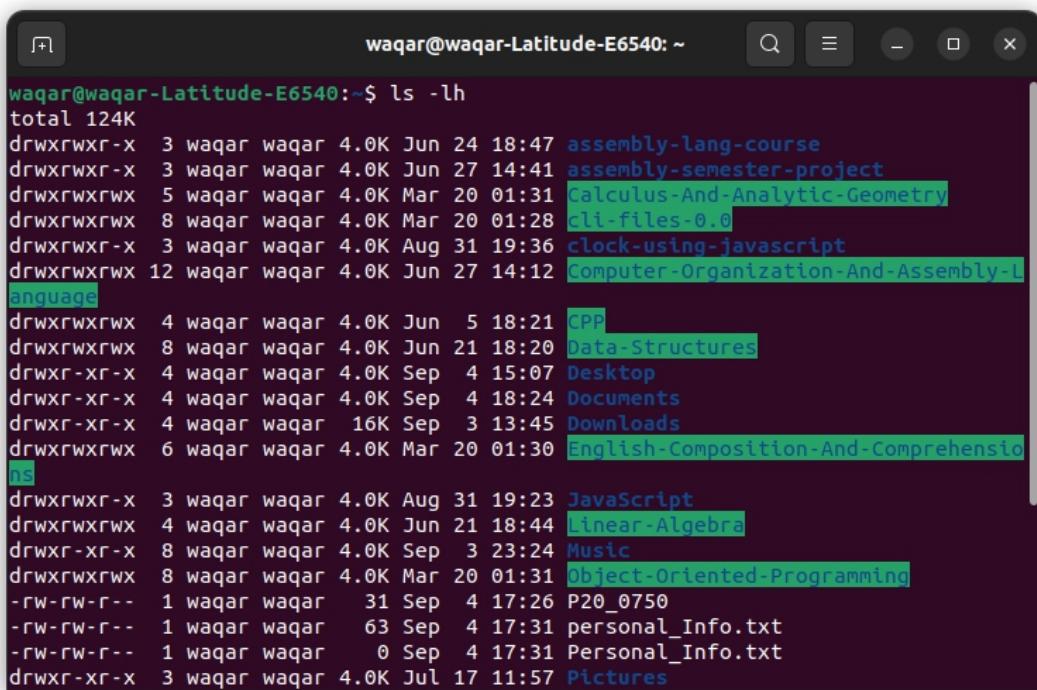
20P-0750

OS lab-task #1

Q-1:

1: ls (with 3 flags).

ls -lh



```
waqar@waqar-Latitude-E6540:~$ ls -lh
total 124K
drwxrwxr-x  3 waqar waqar 4.0K Jun 24 18:47 assembly-lang-course
drwxrwxr-x  3 waqar waqar 4.0K Jun 27 14:41 assembly-semester-project
drwxrwxrwx  5 waqar waqar 4.0K Mar 20 01:31 Calculus-And-Analytic-Geometry
drwxrwxrwx  8 waqar waqar 4.0K Mar 20 01:28 cli-files-0.0
drwxrwxr-x  3 waqar waqar 4.0K Aug 31 19:36 clock-using-javascript
drwxrwxrwx 12 waqar waqar 4.0K Jun 27 14:12 Computer-Organization-And-Assembly-L
anguage
drwxrwxrwx  4 waqar waqar 4.0K Jun  5 18:21 CPP
drwxrwxrwx  8 waqar waqar 4.0K Jun 21 18:20 Data-Structures
drwxr-xr-x  4 waqar waqar 4.0K Sep  4 15:07 Desktop
drwxr-xr-x  4 waqar waqar 4.0K Sep  4 18:24 Documents
drwxr-xr-x  4 waqar waqar 16K Sep  3 13:45 Downloads
drwxrwxrwx  6 waqar waqar 4.0K Mar 20 01:30 English-Composition-And-Comprehensio
ns
drwxrwxr-x  3 waqar waqar 4.0K Aug 31 19:23 JavaScript
drwxrwxrwx  4 waqar waqar 4.0K Jun 21 18:44 Linear-Algebra
drwxr-xr-x  8 waqar waqar 4.0K Sep  3 23:24 Music
drwxrwxrwx  8 waqar waqar 4.0K Mar 20 01:31 Object-Oriented-Programming
-rw-rw-r--  1 waqar waqar   31 Sep  4 17:26 P20_0750
-rw-rw-r--  1 waqar waqar   63 Sep  4 17:31 personal_Info.txt
-rw-rw-r--  1 waqar waqar     0 Sep  4 17:31 Personal_Info.txt
drwxr-xr-x  3 waqar waqar 4.0K Jul 17 11:57 Pictures
```

ls -r

```
waqar@waqar-Latitude-E6540:~$ ls -r
Your_Name
Videos
Untitled.ipynb
text.txt
test
snap
Shoalb
Programming-Fundamental
Probability-and-Statistics
Pictures
Personal_Info.txt
personal_Info.txt
P20_0750
Object-Oriented-Programming
Music
waqar@waqar-Latitude-E6540:~$
```

ls -al

```
waqar@waqar-Latitude-E6540:~$ ls -al
total 256
drwxr-x--- 40 waqar waqar 4096 Sep  4 17:45 .
drwxr-xr-x  3 root  root 4096 Aug 30 23:39 ..
drwxrwxr-x  3 waqar waqar 4096 Jun 24 18:47 assembly-lang-course
drwxrwxr-x  3 waqar waqar 4096 Jun 27 14:41 assembly-semester-project
-rw-----  1 waqar waqar 17949 Sep  4 17:45 .bash_history
-rw-r--r--  1 waqar waqar   220 Jun  5 16:32 .bash_logout
-rw-r--r--  1 waqar waqar  3771 Jun  5 16:32 .bashrc
drwx----- 22 waqar waqar 4096 Sep  3 13:14 .cache
drwxrwxrwx  5 waqar waqar 4096 Mar 20 01:31 Calculus-And-Analytic-Geometry
drwxrwxrwx  8 waqar waqar 4096 Mar 20 01:28 cli-files-0.0
drwxrwxr-x  3 waqar waqar 4096 Aug 31 19:36 clock-using-javascript
drwxrwxrwx 12 waqar waqar 4096 Jun 27 14:12 Computer-Organization-And-Assembly-
Language
drwx----- 23 waqar waqar 4096 Sep  4 18:23 .config
drwxrwxrwx  4 waqar waqar 4096 Jun  5 18:21 CPP
drwxrwxrwx  8 waqar waqar 4096 Jun 21 18:20 Data-Structures
drwxr-xr-x  4 waqar waqar 4096 Sep  4 15:07 Desktop
drwxr-xr-x  4 waqar waqar 4096 Sep  4 18:24 Documents
drwx-----  2 waqar waqar 4096 Jun  5 16:51 .dosbox
drwxr-xr-x  4 waqar waqar 16384 Sep  3 13:45 Downloads
drwxrwxrwx  6 waqar waqar 4096 Mar 20 01:30 English-Composition-And-Comprehensi
ons
```

2: man

```
waqar@waqar-Latitude-E6540:~$ man cat
```

output.

```
CAT(1) User Commands CAT(1)

NAME
    cat - concatenate files and print on the standard output

SYNOPSIS
    cat [OPTION]... [FILE]...

DESCRIPTION
    Concatenate FILE(s) to standard output.

    With no FILE, or when FILE is -, read standard input.

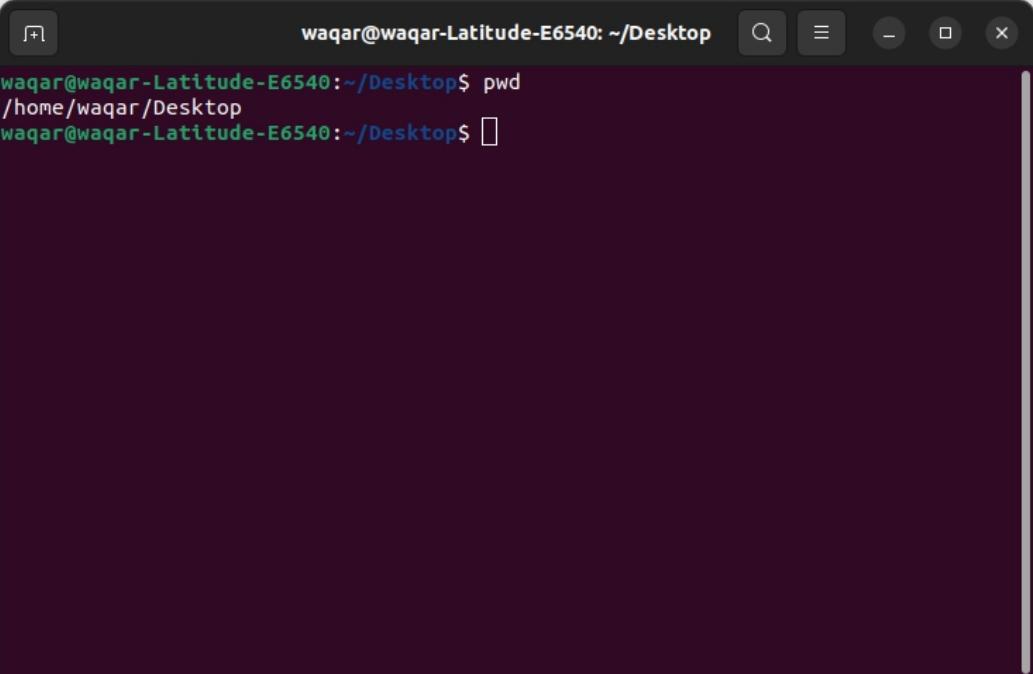
    -A, --show-all
        equivalent to -vET

    -b, --number-nonblank
        number nonempty output lines, overrides -n

    -e      equivalent to -vE

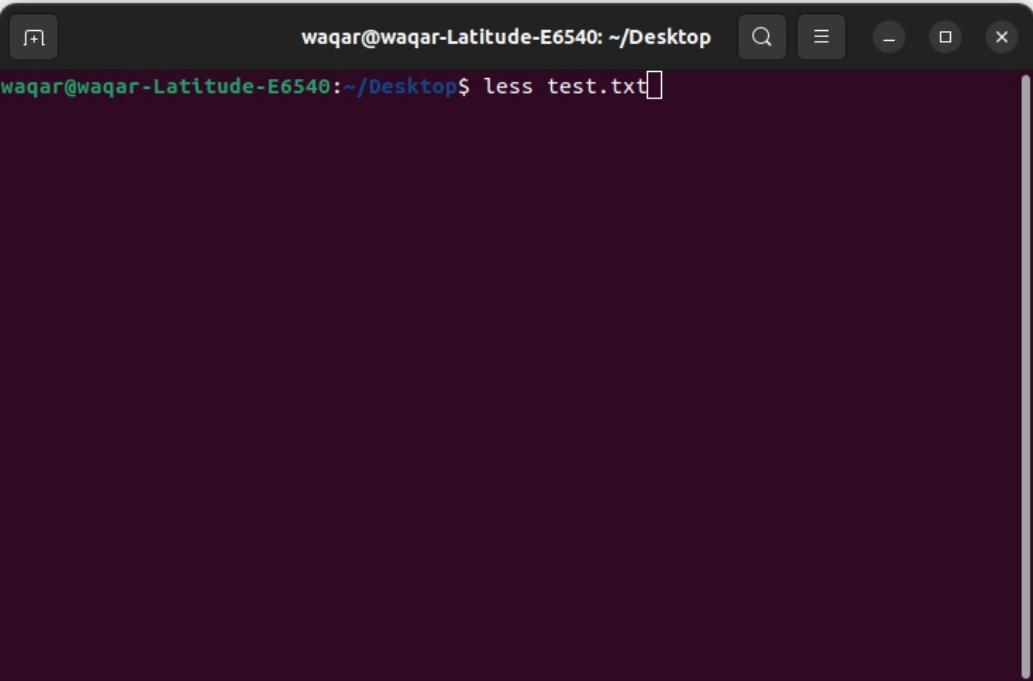
    -E, --show-ends
        display $ at end of each line
Manual page cat(1) line 1 (press h for help or q to quit)
```

3: pwd



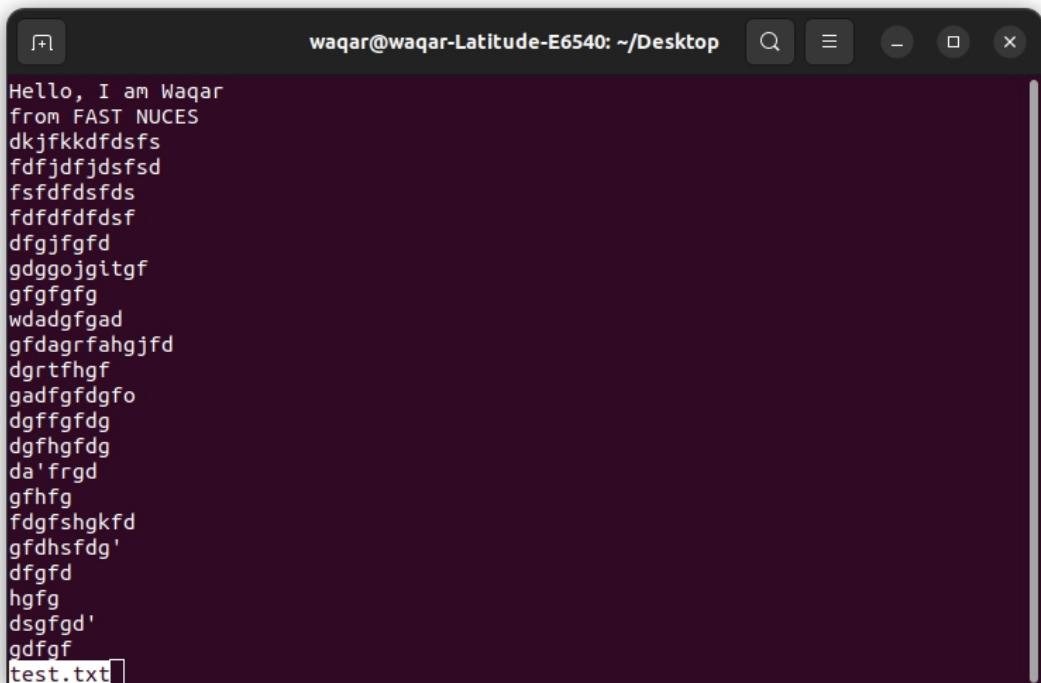
waqar@waqar-Latitude-E6540: ~/Desktop\$ pwd
/home/waqar/Desktop
waqar@waqar-Latitude-E6540: ~/Desktop\$

4: less



waqar@waqar-Latitude-E6540: ~/Desktop\$ less test.txt

output.

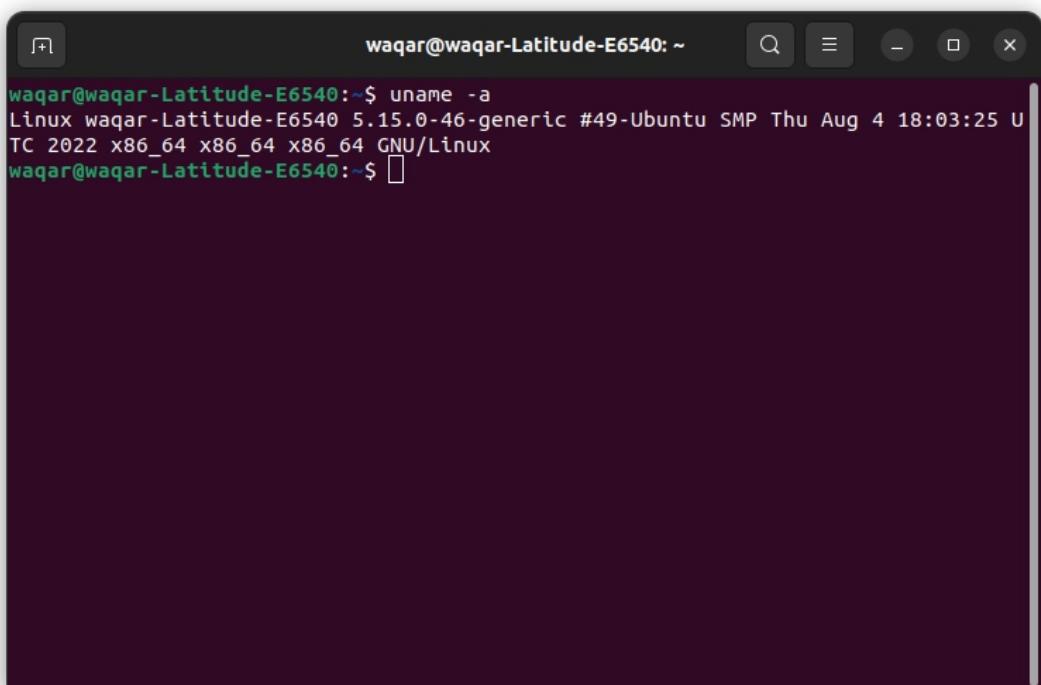


waqar@waqar-Latitude-E6540: ~/Desktop

```
Hello, I am Waqar
from FAST NUCES
dkjfkkdfdsfs
fdfjdfjdsfsd
fsfdfdsfds
fdfdfdfdsf
dfgjfgfd
gdggojgitgf
gfgfgfg
wdadgfgad
gfdagrfahgjfd
dgrtfhgf
gadfgfdgfo
dgffgfdg
dgfhgfdg
da'frgd
gfhfg
fdgfshgkfd
gfdhsfdg'
dfgfd
hgfg
dsgfgd'
qdfqf
test.txt
```

5: uname (with three flags).

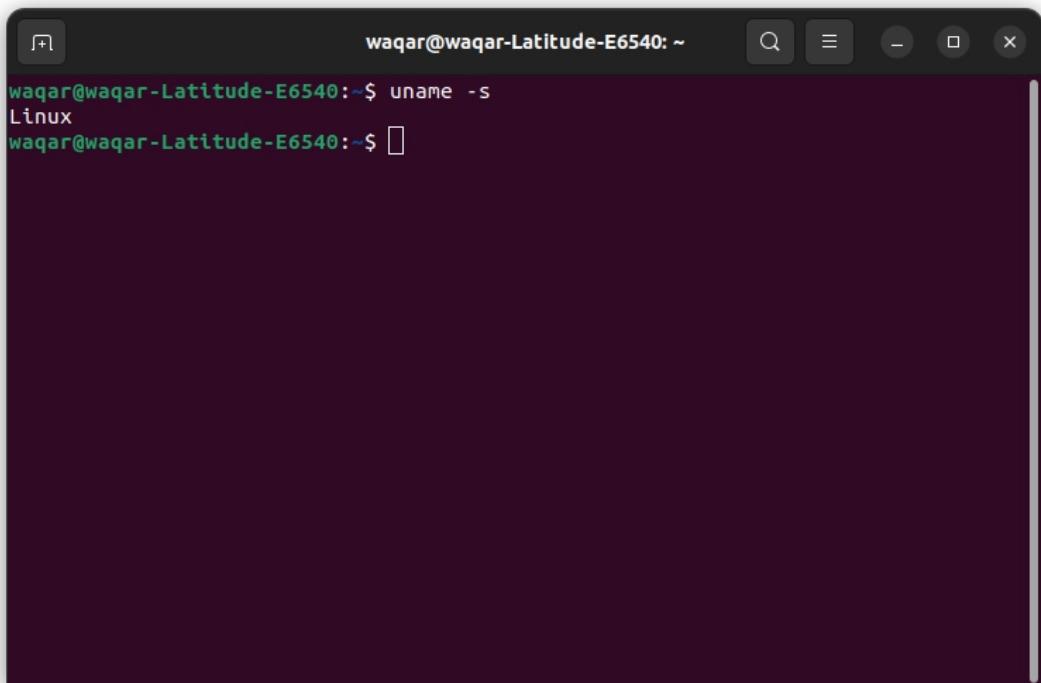
uname -a (for system information)



waqar@waqar-Latitude-E6540: ~

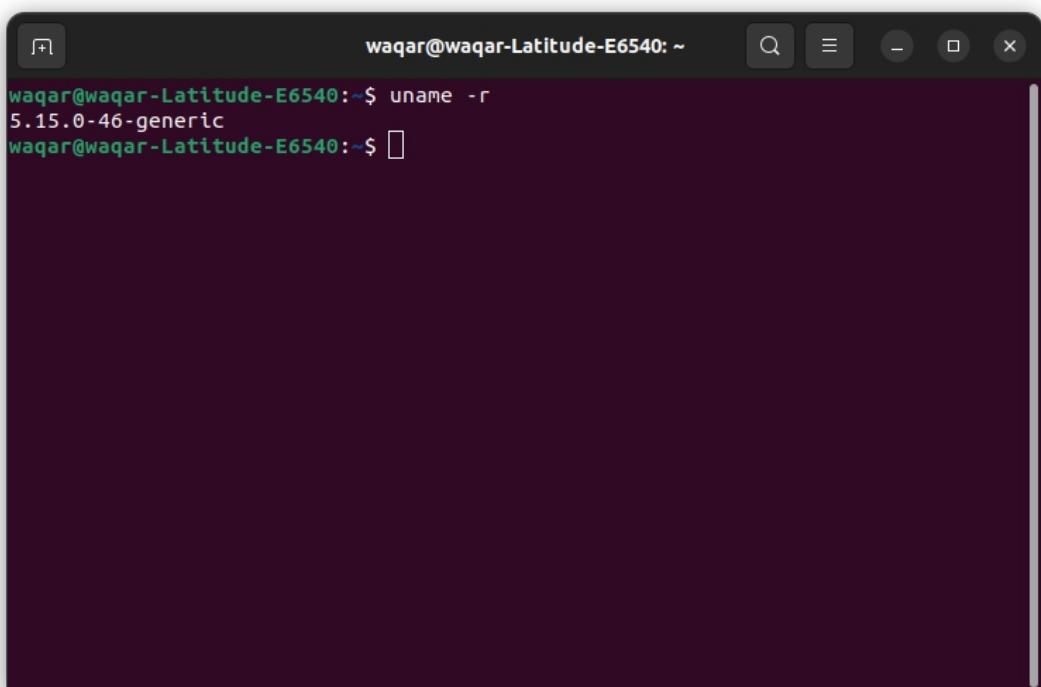
```
waqar@waqar-Latitude-E6540:~$ uname -a
Linux waqar-Latitude-E6540 5.15.0-46-generic #49-Ubuntu SMP Thu Aug 4 18:03:25 U
TC 2022 x86_64 x86_64 x86_64 GNU/Linux
waqar@waqar-Latitude-E6540:~$
```

uname -s (for kernel name)



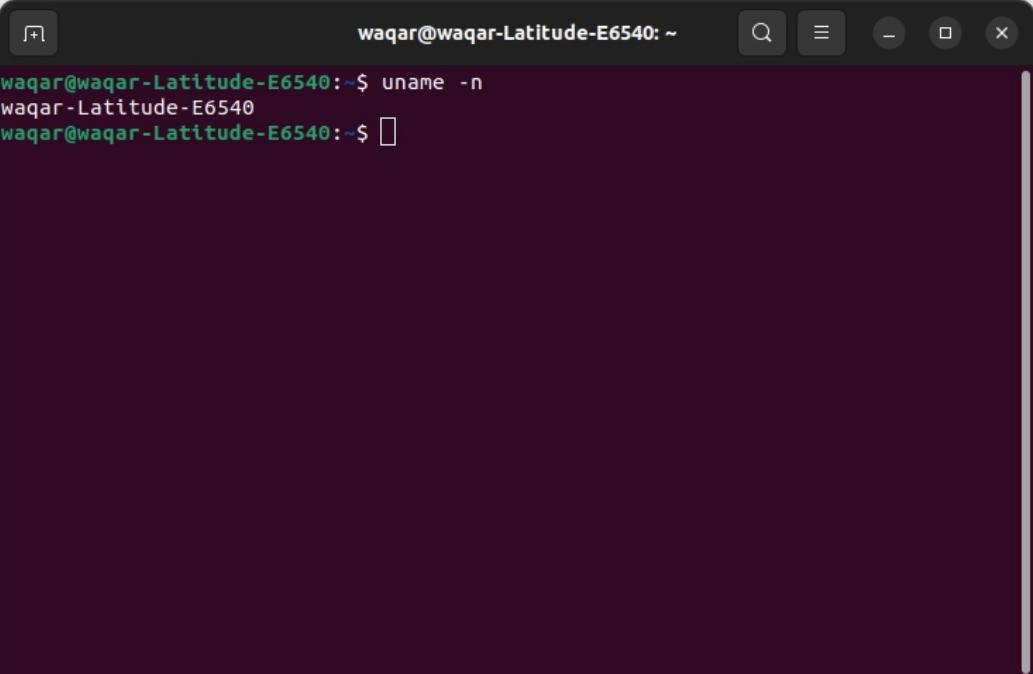
```
waqar@waqar-Latitude-E6540:~$ uname -s
Linux
waqar@waqar-Latitude-E6540:~$
```

uname -r (for kernal release date)



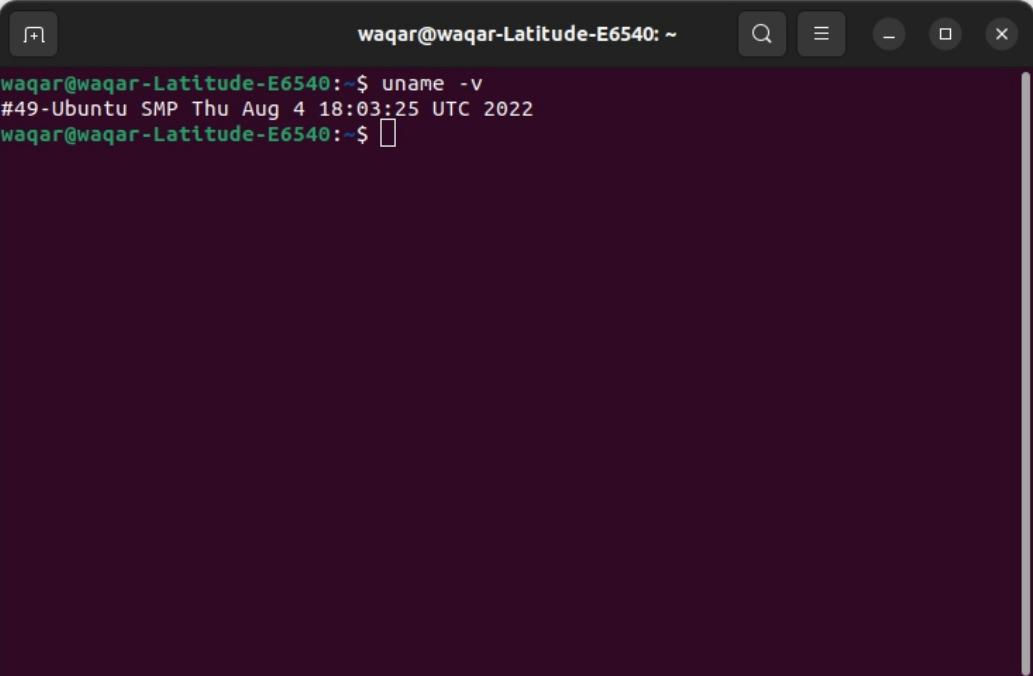
```
waqar@waqar-Latitude-E6540:~$ uname -r
5.15.0-46-generic
waqar@waqar-Latitude-E6540:~$
```

uname -n (for hostname)



```
waqar@waqar-Latitude-E6540:~$ uname -n  
waqar-Latitude-E6540  
waqar@waqar-Latitude-E6540:~$
```

uname -v (version of current kernel)



```
waqar@waqar-Latitude-E6540:~$ uname -v  
#49-Ubuntu SMP Thu Aug 4 18:03:25 UTC 2022  
waqar@waqar-Latitude-E6540:~$
```

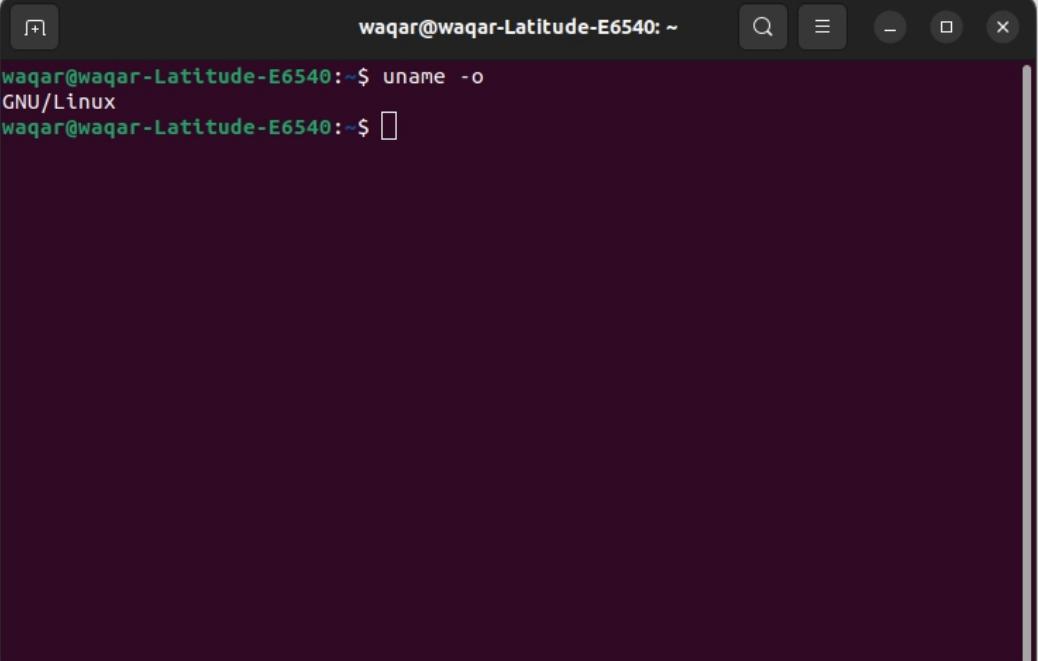
uname -m (machine hardware)

```
waqar@waqar-Latitude-E6540:~$ uname -m  
x86_64  
waqar@waqar-Latitude-E6540:~$
```

uname -p (type of processor)

```
waqar@waqar-Latitude-E6540:~$ uname -p  
x86_64  
waqar@waqar-Latitude-E6540:~$
```

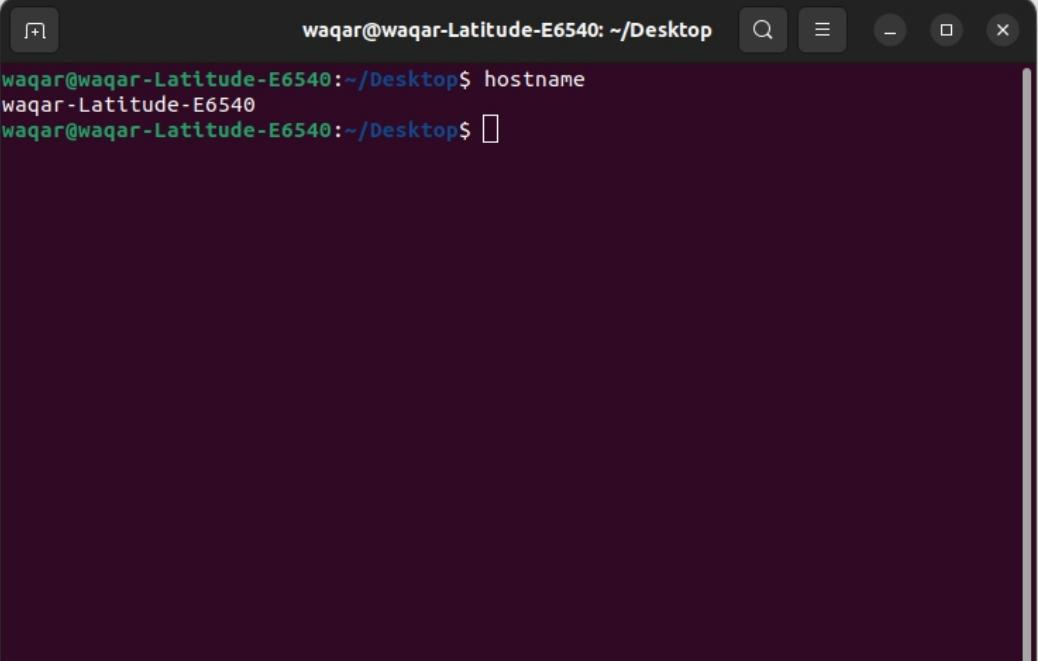
uname -o (name of OS)



A screenshot of a terminal window titled "waqar@waqar-Latitude-E6540: ~". The window shows the command "uname -o" being run, followed by the output "GNU/Linux". The terminal has a dark background with light-colored text. The title bar is also dark with white text.

```
waqar@waqar-Latitude-E6540:~$ uname -o
GNU/Linux
waqar@waqar-Latitude-E6540:~$
```

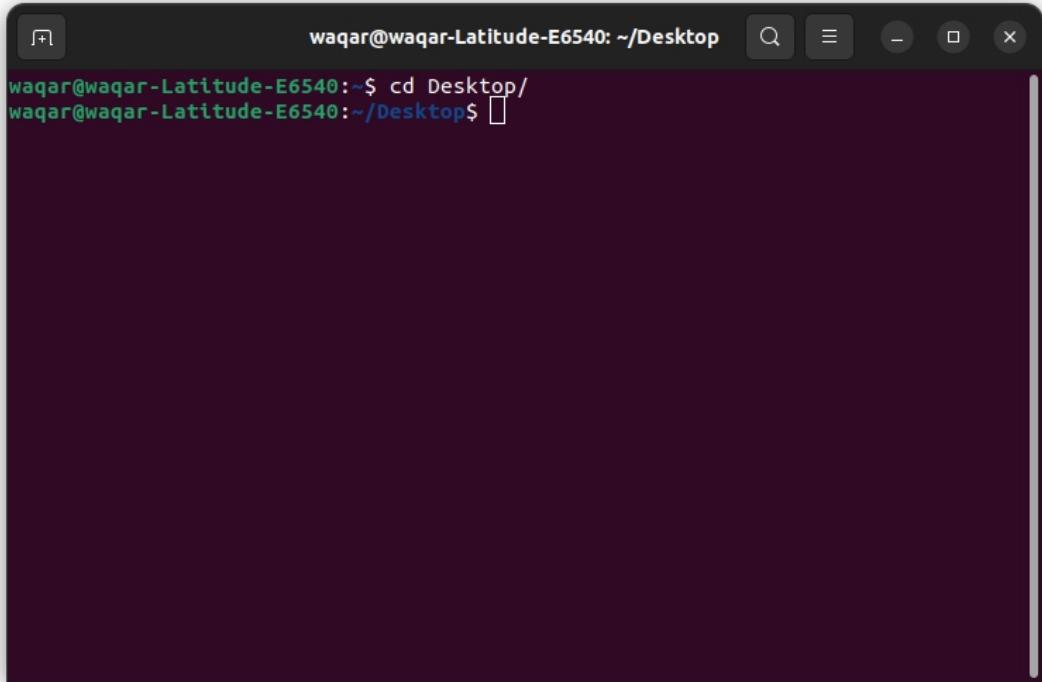
6: hostname



A screenshot of a terminal window titled "waqar@waqar-Latitude-E6540: ~/Desktop". The window shows the command "hostname" being run, followed by the output "waqar-Latitude-E6540". The terminal has a dark background with light-colored text. The title bar is dark with white text.

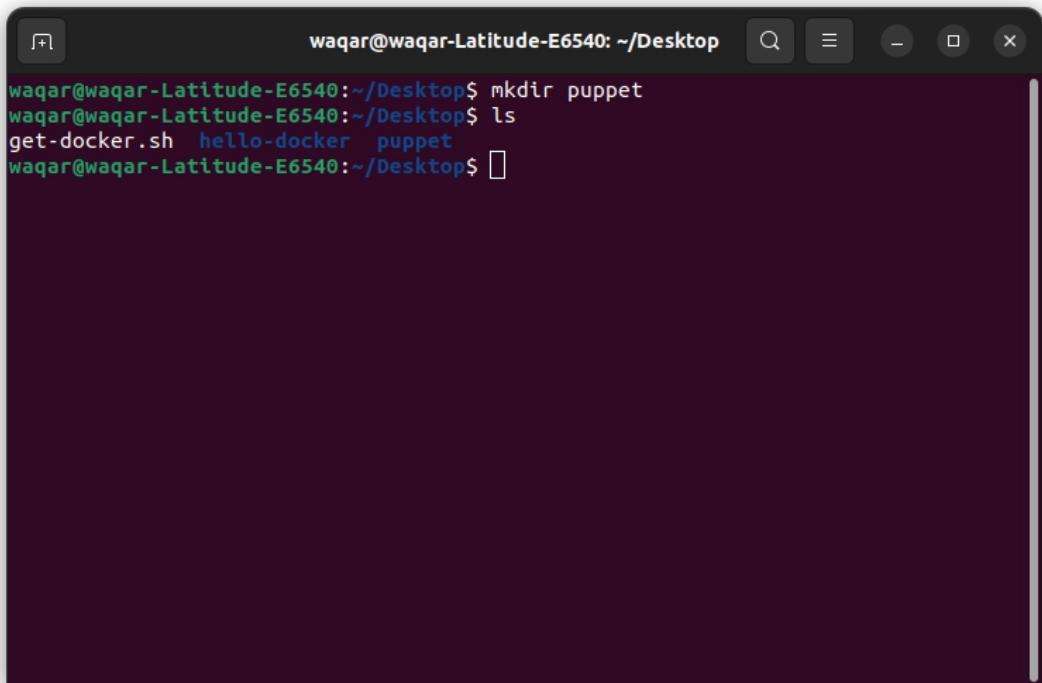
```
waqar@waqar-Latitude-E6540:~/Desktop$ hostname
waqar-Latitude-E6540
waqar@waqar-Latitude-E6540:~/Desktop$
```

7: cd



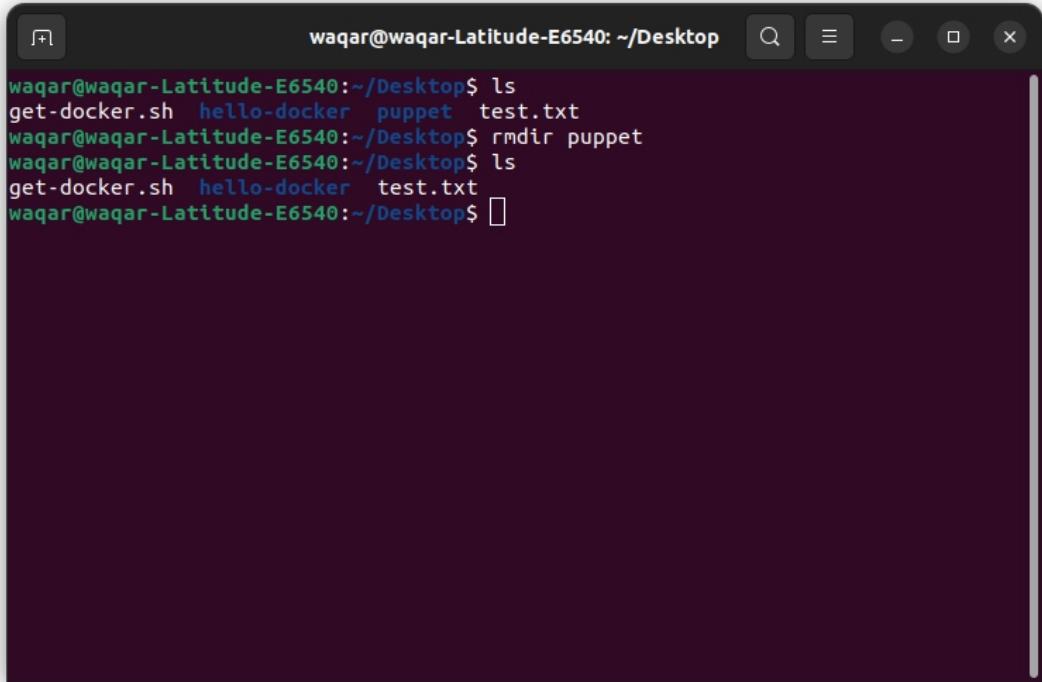
```
waqar@waqar-Latitude-E6540: ~/Desktop
waqar@waqar-Latitude-E6540:~/Desktop$
```

8: mkdir



```
waqar@waqar-Latitude-E6540:~/Desktop$ mkdir puppet
waqar@waqar-Latitude-E6540:~/Desktop$ ls
get-docker.sh  hello-docker  puppet
waqar@waqar-Latitude-E6540:~/Desktop$
```

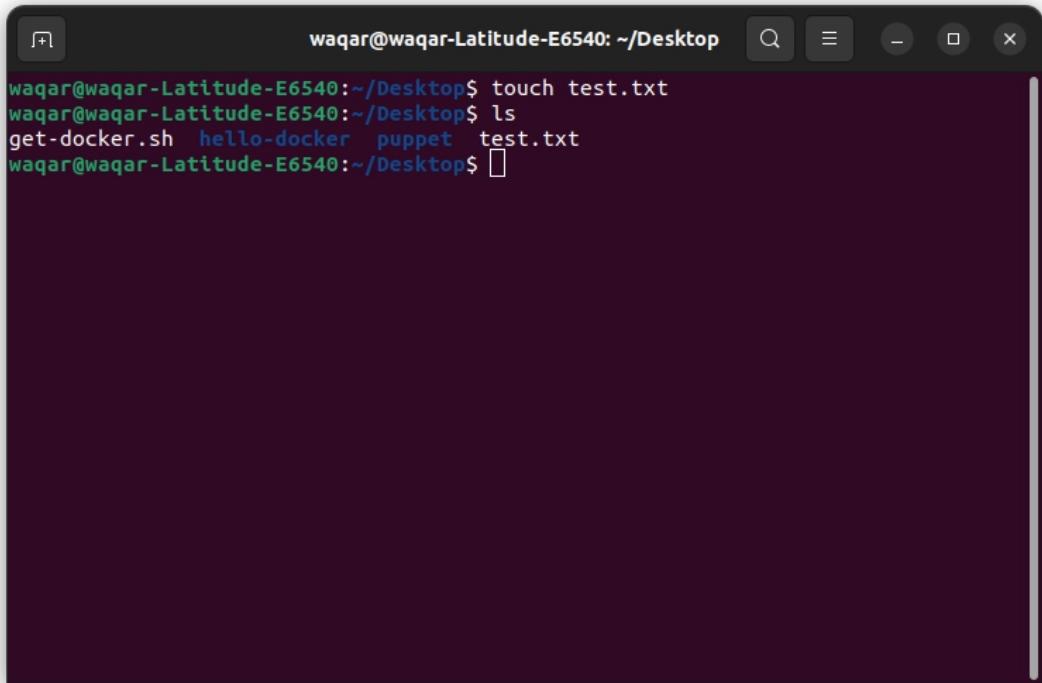
9: rmdir



A screenshot of a terminal window titled "waqar@waqar-Latitude-E6540: ~/Desktop". The window shows the following command sequence:

```
waqar@waqar-Latitude-E6540:~/Desktop$ ls
get-docker.sh hello-docker puppet test.txt
waqar@waqar-Latitude-E6540:~/Desktop$ rmdir puppet
waqar@waqar-Latitude-E6540:~/Desktop$ ls
get-docker.sh hello-docker test.txt
waqar@waqar-Latitude-E6540:~/Desktop$
```

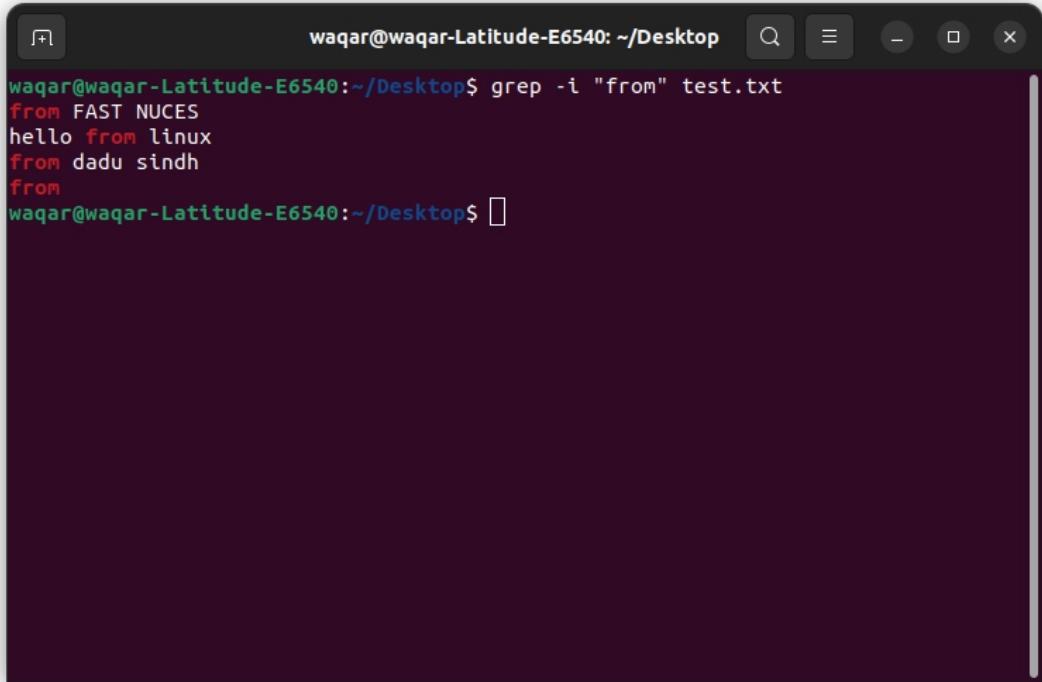
10: touch



A screenshot of a terminal window titled "waqar@waqar-Latitude-E6540: ~/Desktop". The window shows the following command sequence:

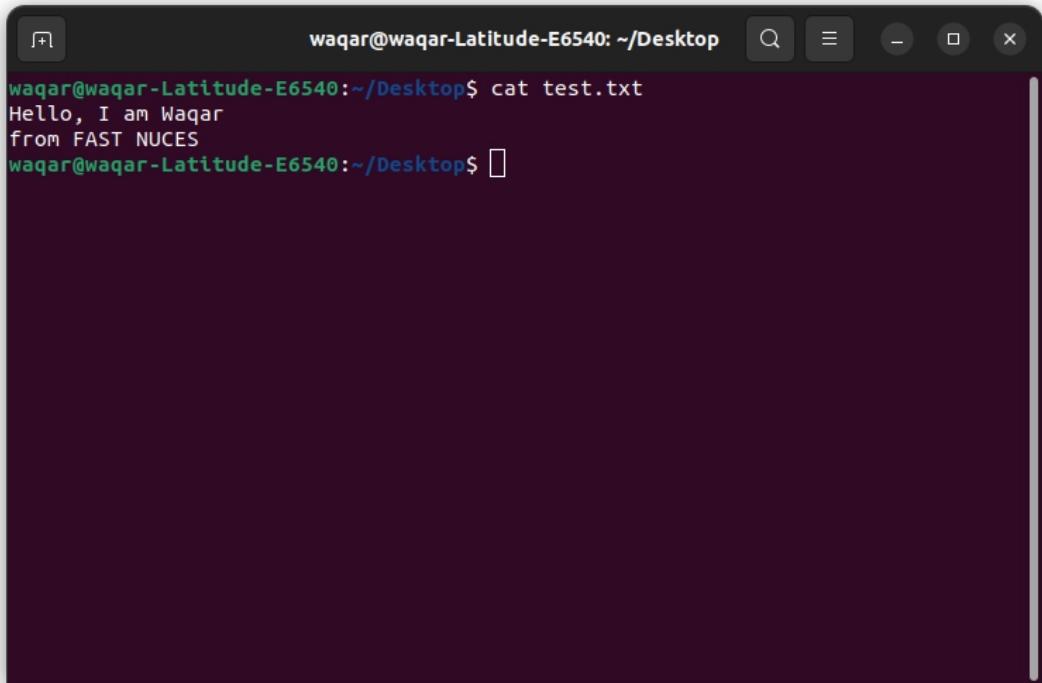
```
waqar@waqar-Latitude-E6540:~/Desktop$ touch test.txt
waqar@waqar-Latitude-E6540:~/Desktop$ ls
get-docker.sh hello-docker puppet test.txt
waqar@waqar-Latitude-E6540:~/Desktop$
```

11: grep



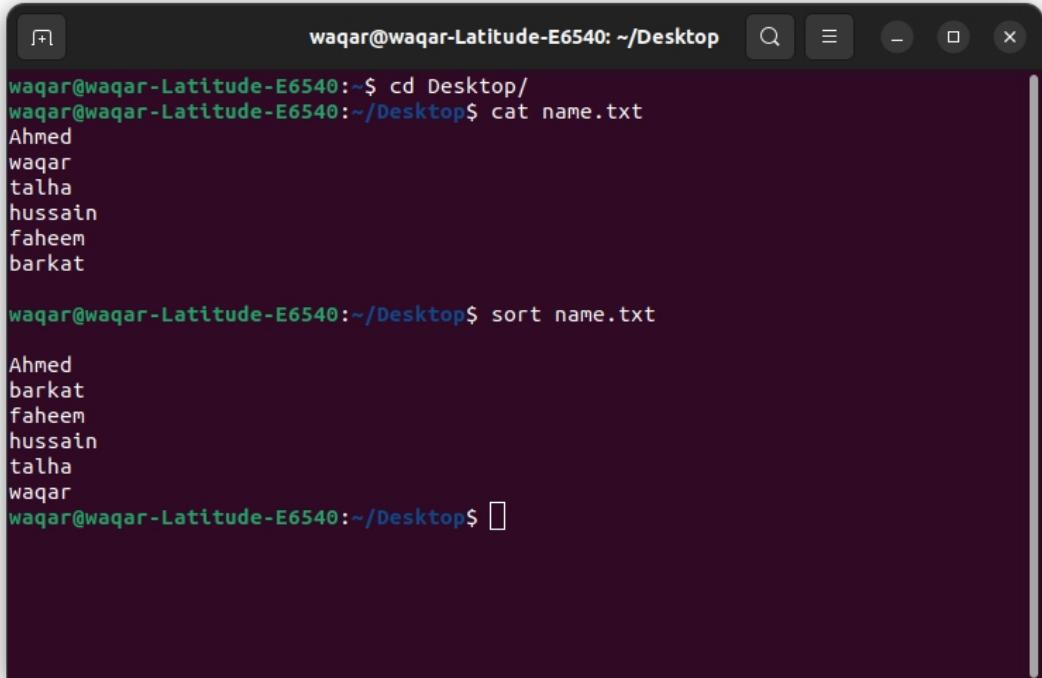
```
waqar@waqar-Latitude-E6540: ~/Desktop$ grep -i "from" test.txt
from FAST NUCES
hello from linux
from dadu sindh
from
waqar@waqar-Latitude-E6540: ~/Desktop$
```

12: cat



```
waqar@waqar-Latitude-E6540: ~/Desktop$ cat test.txt
Hello, I am Waqar
from FAST NUCES
waqar@waqar-Latitude-E6540: ~/Desktop$
```

13: sort

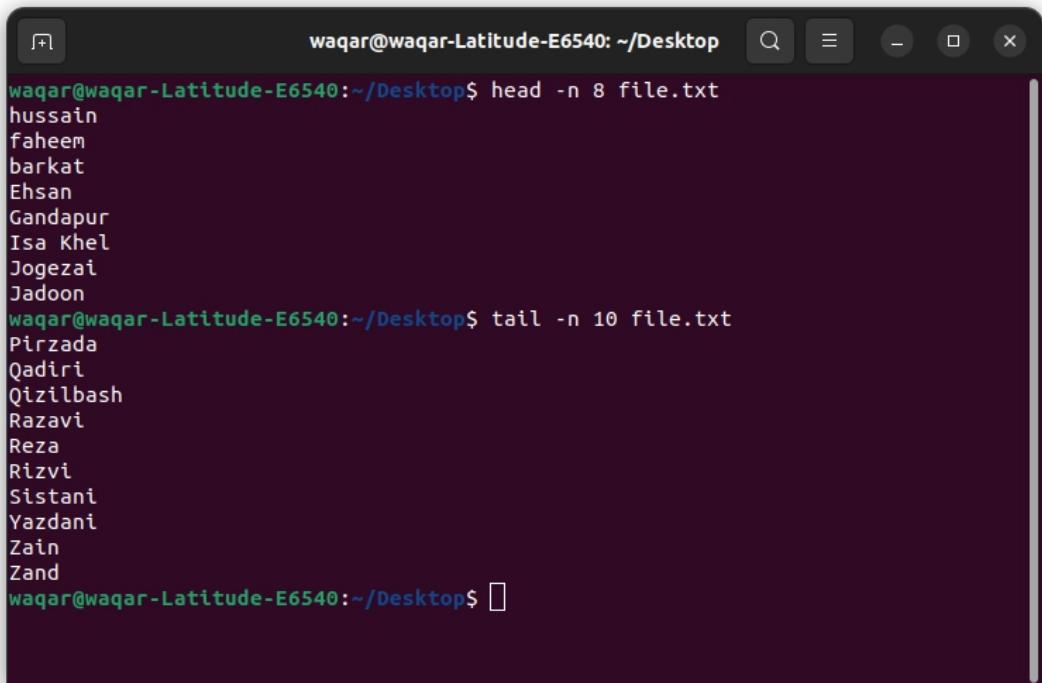


```
waqar@waqar-Latitude-E6540:~/Desktop$ cd Desktop/
waqar@waqar-Latitude-E6540:~/Desktop$ cat name.txt
Ahmed
waqar
talha
hussain
faheem
barkat

waqar@waqar-Latitude-E6540:~/Desktop$ sort name.txt

Ahmed
barkat
faheem
hussain
talha
waqar
waqar@waqar-Latitude-E6540:~/Desktop$
```

14: head and tail

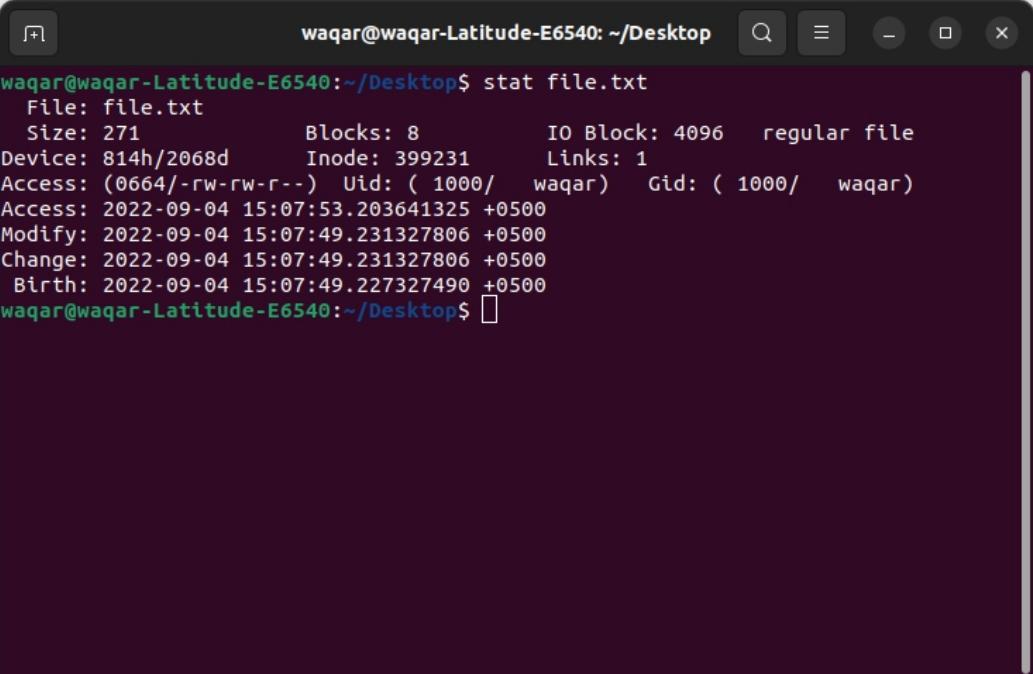


```
waqar@waqar-Latitude-E6540:~/Desktop$ head -n 8 file.txt
hussain
faheem
barkat
Ehsan
Gandapur
Isa Khel
Jogezai
Jadoon

waqar@waqar-Latitude-E6540:~/Desktop$ tail -n 10 file.txt
Pirzada
Qadiri
Qizilbash
Razavi
Reza
Rizvi
Sistani
Yazdani
Zain
Zand
waqar@waqar-Latitude-E6540:~/Desktop$
```

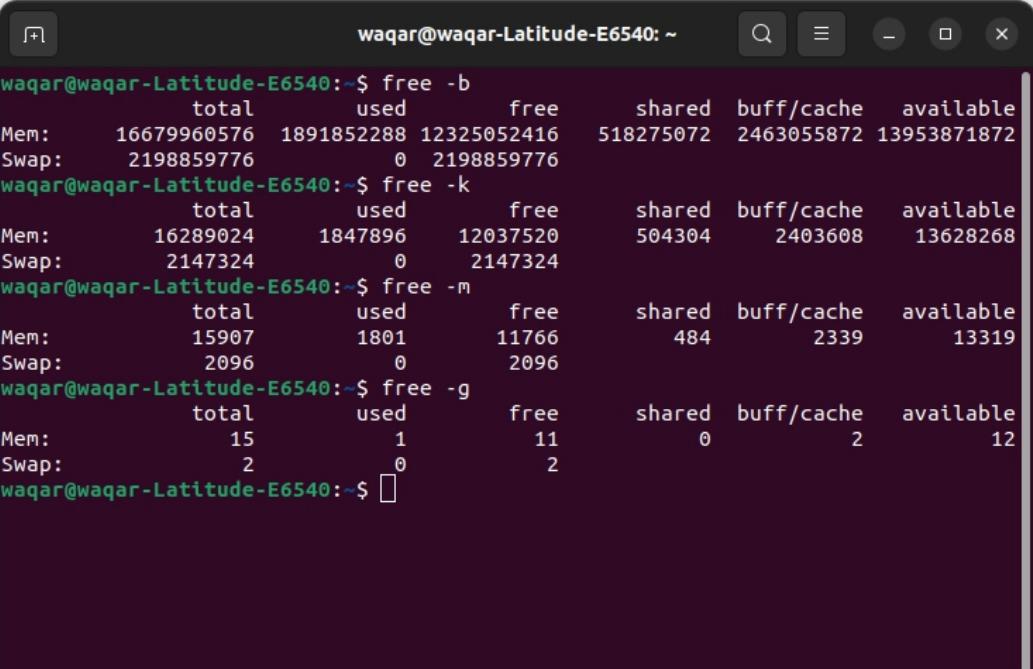
15: stat

stat command used for information about file and filesystem.



```
waqar@waqar-Latitude-E6540:~/Desktop$ stat file.txt
  File: file.txt
  Size: 271          Blocks: 8          IO Block: 4096   regular file
Device: 814h/2068d      Inode: 399231      Links: 1
Access: (0664/-rw-rw-r--) Uid: ( 1000/    waqar)  Gid: ( 1000/    waqar)
Access: 2022-09-04 15:07:53.203641325 +0500
Modify: 2022-09-04 15:07:49.231327806 +0500
Change: 2022-09-04 15:07:49.231327806 +0500
 Birth: 2022-09-04 15:07:49.227327490 +0500
waqar@waqar-Latitude-E6540:~/Desktop$
```

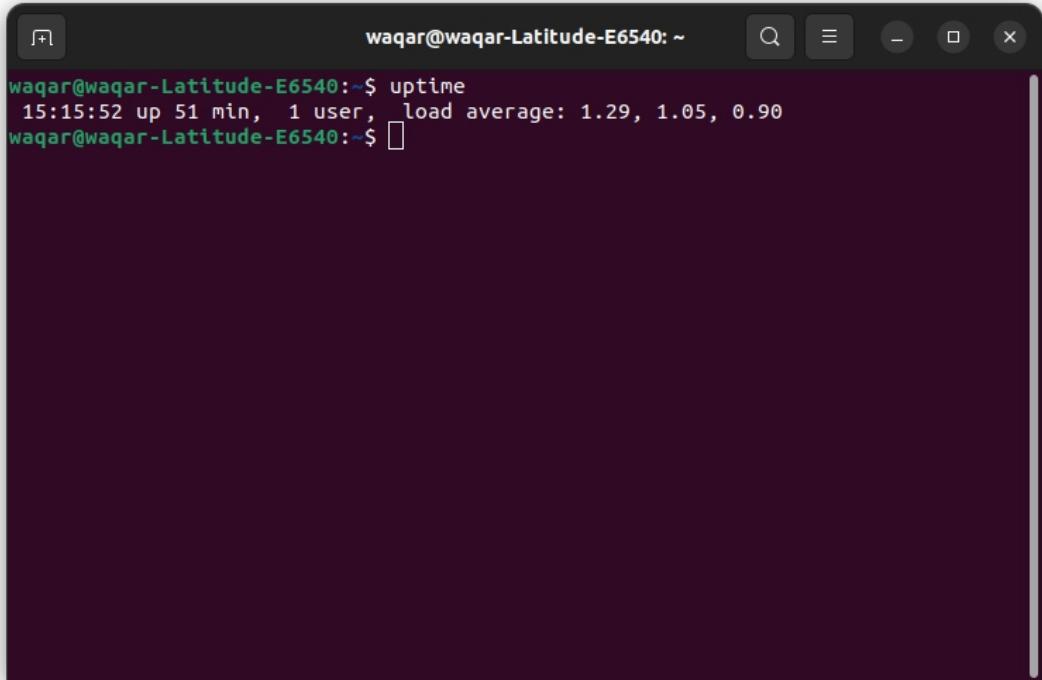
16: free



```
waqar@waqar-Latitude-E6540:~$ free -b
total        used        free      shared  buff/cache   available
Mem:  16679960576  1891852288 12325052416  518275072  2463055872 13953871872
Swap:  2198859776          0 2198859776
waqar@waqar-Latitude-E6540:~$ free -k
total        used        free      shared  buff/cache   available
Mem:  16289024     1847896    12037520      504304     2403608  13628268
Swap:  2147324          0 2147324
waqar@waqar-Latitude-E6540:~$ free -m
total        used        free      shared  buff/cache   available
Mem:      15907      1801      11766        484       2339     13319
Swap:      2096          0      2096
waqar@waqar-Latitude-E6540:~$ free -g
total        used        free      shared  buff/cache   available
Mem:         15          1         11          0           2          12
Swap:          2          0          2
waqar@waqar-Latitude-E6540:~$
```

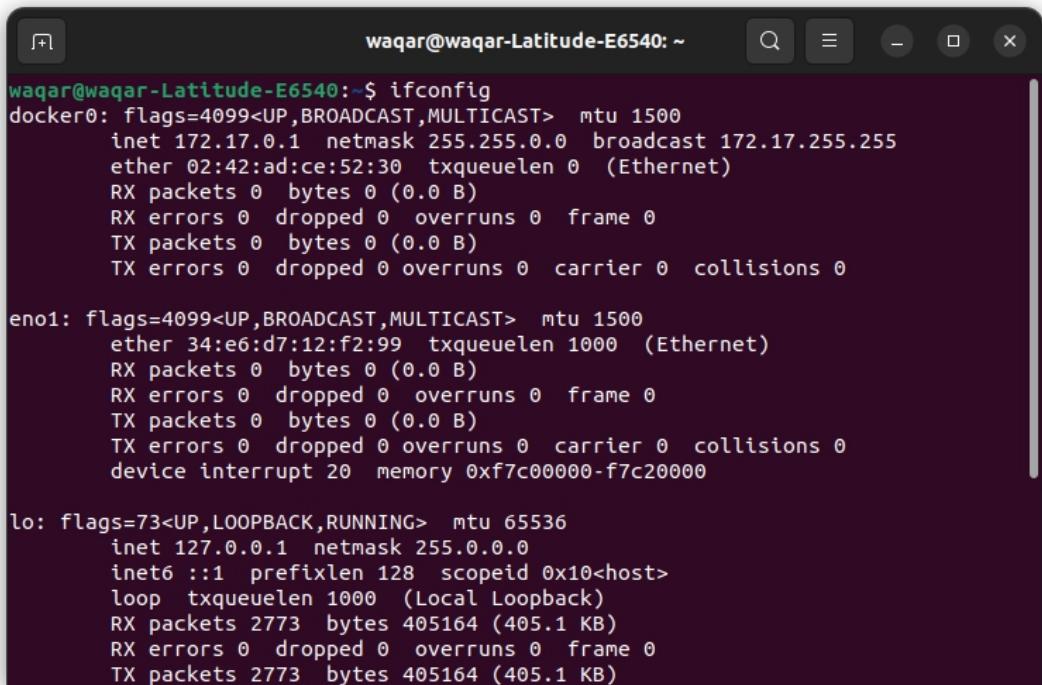
17: uptime

uptime tell us how long system is active.



```
waqar@waqar-Latitude-E6540:~$ uptime
15:15:52 up 51 min, 1 user, load average: 1.29, 1.05, 0.90
waqar@waqar-Latitude-E6540:~$
```

18:ifconfig



```
waqar@waqar-Latitude-E6540:~$ ifconfig
docker0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
      inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
        ether 02:42:ad:ce:52:30 txqueuelen 0 (Ethernet)
          RX packets 0 bytes 0 (0.0 B)
          RX errors 0 dropped 0 overruns 0 frame 0
          TX packets 0 bytes 0 (0.0 B)
          TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eno1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
      ether 34:e6:d7:12:f2:99 txqueuelen 1000 (Ethernet)
        RX packets 0 bytes 0 (0.0 B)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 0 bytes 0 (0.0 B)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
        device interrupt 20 memory 0xf7c00000-f7c20000

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
      inet 127.0.0.1 netmask 255.0.0.0
        inet6 ::1 prefixlen 128 scopeid 0x10<host>
          loop txqueuelen 1000 (Local Loopback)
            RX packets 2773 bytes 405164 (405.1 KB)
            RX errors 0 dropped 0 overruns 0 frame 0
            TX packets 2773 bytes 405164 (405.1 KB)
```

19: gzip

```
waqar@waqar-Latitude-E6540: ~/Downloads$ gzip f.asm
waqar@waqar-Latitude-E6540: ~/Downloads$ ls
as3
Assignment2.pdf
Assignment-3.pdf
'download (2).html'
EE2003-COAL_Assignment-2.pdf
'Express JS Tutorial in Hindi 🔥👉.mp4'
f.asm.gz
hoic2.1.exe
'How To Make Website Using HTML & CSS _ Full Responsive Multi Page Website Design Step by Step.mp4'
'JavaScript Tutorial In Hindi.mp4'
Lecture01DB.ppt
Lecture02DB.pptx
'Node Js Tutorial in Hindi 🔥🔥.mp4'
proj.asm
'project (1).asm'
'Project (3).pdf'
project.asm
'questions (1).pdf'
questions.pdf
'RRR (2022) Hindi Dubbed ORG 720p.mp4'
'Statement of purpose(SOP).pdf'
```

20: gunzip

```
waqar@waqar-Latitude-E6540: ~/Downloads$ gunzip f.asm
waqar@waqar-Latitude-E6540: ~/Downloads$ ls
as3
Assignment2.pdf
Assignment-3.pdf
'download (2).html'
EE2003-COAL_Assignment-2.pdf
'Express JS Tutorial in Hindi 🔥👉.mp4'
f.asm
hoic2.1.exe
'How To Make Website Using HTML & CSS _ Full Responsive Multi Page Website Design Step by Step.mp4'
'JavaScript Tutorial In Hindi.mp4'
Lecture01DB.ppt
Lecture02DB.pptx
'Node Js Tutorial in Hindi 🔥🔥.mp4'
proj.asm
'project (1).asm'
'Project (3).pdf'
project.asm
'questions (1).pdf'
questions.pdf
'RRR (2022) Hindi Dubbed ORG 720p.mp4'
'Statement of purpose(SOP).pdf'
```

21: ping google.com

```
waqar@waqar-Latitude-E6540:~$ ping googl.com
PING googl.com (142.250.181.164) 56(84) bytes of data.
64 bytes from mct01s20-in-f4.1e100.net (142.250.181.164): icmp_seq=1 ttl=116 time=47.1 ms
64 bytes from mct01s20-in-f4.1e100.net (142.250.181.164): icmp_seq=2 ttl=116 time=61.8 ms
64 bytes from mct01s20-in-f4.1e100.net (142.250.181.164): icmp_seq=3 ttl=116 time=81.7 ms
64 bytes from mct01s20-in-f4.1e100.net (142.250.181.164): icmp_seq=4 ttl=116 time=164 ms
64 bytes from mct01s20-in-f4.1e100.net (142.250.181.164): icmp_seq=5 ttl=116 time=121 ms
64 bytes from mct01s20-in-f4.1e100.net (142.250.181.164): icmp_seq=6 ttl=116 time=55.0 ms
64 bytes from mct01s20-in-f4.1e100.net (142.250.181.164): icmp_seq=7 ttl=116 time=54.5 ms
64 bytes from mct01s20-in-f4.1e100.net (142.250.181.164): icmp_seq=8 ttl=116 time=51.8 ms
64 bytes from mct01s20-in-f4.1e100.net (142.250.181.164): icmp_seq=9 ttl=116 time=48.3 ms
64 bytes from mct01s20-in-f4.1e100.net (142.250.181.164): icmp_seq=10 ttl=116 time=45.3 ms
64 bytes from mct01s20-in-f4.1e100.net (142.250.181.164): icmp_seq=11 ttl=116 time=43.9 ms
```

22: netstat

```
waqar@waqar-Latitude-E6540:~$ netstat
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address          Foreign Address        State
tcp      0      0 waqar-Latitude-E6:45948 wa-in-f188.1e100.n:5228 ESTABLISHED
tcp      0      0 waqar-Latitude-E6:53126 bs.yandex.ru:https    ESTABLISHED
udp      0      0 waqar-Latitude-E:bootpc _gateway:bootps      ESTABLISHED
udp      0      0 waqar-Latitude-E6:44969 mct01s13-in-f4.1e:https ESTABLISHED
udp      0      0 waqar-Latitude-E6:53483 mct01s21-in-f14.1:https ESTABLISHED
udp      0      0 waqar-Latitude-E6:54145 mct01s20-in-f10.1:https ESTABLISHED
udp      0      0 waqar-Latitude-E6:54960 mct01s21-in-f10.1:https ESTABLISHED
Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags       Type      State         I-Node Path
unix    2      [ ]     DGRAM           30240   /run/user/1000/system
d/notify
unix    2      [ ]     DGRAM           28779   /run/wpa_supplicant/w
lp3s0
unix    3      [ ]     SEQPACKET    CONNECTED    45320   @0000d
unix    3      [ ]     SEQPACKET    CONNECTED    45322   @0000e
unix    3      [ ]     SEQPACKET    CONNECTED    45305   @0000a
unix    3      [ ]     SEQPACKET    CONNECTED    45306   @0000b
unix    3      [ ]     SEQPACKET    CONNECTED    40385   @0000c
unix    3      [ ]     DGRAM          CONNECTED    15809   /run/systemd/notify
unix    2      [ ]     DGRAM          CONNECTED    15825   /run/systemd/journal/
syslog
```

23: nslookup google.com

```
waqar@waqar-Latitude-E6540:~$ nslookup google.com
Server: 127.0.0.53
Address: 127.0.0.53#53

Non-authoritative answer:
Name: google.com
Address: 142.250.180.46
Name: google.com
Address: 2a00:1450:4018:805::200e

waqar@waqar-Latitude-E6540:~$
```

24: ps (ps ps -a ps -e ps -r ps -T)

```
waqar@waqar-Latitude-E6540:~$ ps
 PID TTY      TIME CMD
 5714 pts/0    00:00:00 bash
 9416 pts/0    00:00:00 ps
waqar@waqar-Latitude-E6540:~$ ps -a
 PID TTY      TIME CMD
 1895 tty2    00:00:00 gnome-session-b
 9417 pts/0    00:00:00 ps
waqar@waqar-Latitude-E6540:~$
```

```
waqar@waqar-Latitude-E6540:~$ ps -e
  PID TTY      TIME CMD
    1 ?        00:00:01 systemd
    2 ?        00:00:00 kthreadd
    3 ?        00:00:00 rcu_gp
    4 ?        00:00:00 rcu_par_gp
    5 ?        00:00:00 netns
    7 ?        00:00:00 kworker/0:0H-events_highpri
   10 ?       00:00:00 mm_percpu_wq
   11 ?       00:00:00 rcu_tasks_rude_
   12 ?       00:00:00 rcu_tasks_trace
   13 ?       00:00:00 ksoftirqd/0
   14 ?       00:00:05 rcu_sched
   15 ?       00:00:00 migration/0
   16 ?       00:00:00 idle_inject/0
   17 ?       00:00:00 cpuhp/0
   18 ?       00:00:00 cpuhp/1
   19 ?       00:00:00 idle_inject/1
   20 ?       00:00:00 migration/1
   21 ?       00:00:00 ksoftirqd/1
   23 ?       00:00:00 kworker/1:0H-events_highpri
   24 ?       00:00:00 cpuhp/2
   25 ?       00:00:00 idle_inject/2
   26 ?       00:00:00 migration/2
```

```
waqar@waqar-Latitude-E6540:~$ ps -r
  PID TTY      STAT   TIME COMMAND
 9843 pts/0    R+     0:00 ps -r
waqar@waqar-Latitude-E6540:~$ ps -x
  PID TTY      STAT   TIME COMMAND
1805 ?        Ss    0:01 /lib/systemd/systemd --user
1806 ?        S     0:00 (sd-pam)
1813 ?        S<sl  0:00 /usr/bin/pipewire
1814 ?        Ssl   0:00 /usr/bin/pipewire-media-session
1815 ?        S<sl  0:00 /usr/bin/pulseaudio --daemonize=no --log-target=jou
1816 ?        Ssl   0:01 /snap/snapd-desktop-integration/14/bin/snapd-deskt
1826 ?        Sl    0:00 /usr/bin/gnome-keyring-daemon --daemonize --login
1835 ?        Ss    0:02 /usr/bin/dbus-daemon --session --address=systemd: -
1842 ?        Ssl   0:00 /usr/libexec/gvfsd
1846 ?        Ssl   0:00 /usr/libexec/xdg-document-portal
1848 ?        Sl    0:00 /usr/libexec/gvfsd-fuse /run/user/1000/gvfs -f
1854 ?        Ssl   0:00 /usr/libexec/xdg-permission-store
1885 ?        SNSl  0:02 /usr/libexec/tracker-miner-fs-3
1892 tty2     Ssl+  0:00 /usr/libexec/gdm-wayland-session env GNOME_SHELL_SE
1895 tty2     Sl+   0:00 /usr/libexec/gnome-session-binary --session=ubuntu
1932 ?        Ssl   0:00 /usr/libexec/gnome-remote-desktop-daemon
1933 ?        Ssl   0:00 /usr/libexec/gnome-session-ctl --monitor
1946 ?        Ssl   0:00 /usr/libexec/gnome-session-binary --systemd-service
1947 ?        Ssl   0:00 /usr/libexec/gvfs-udisks2-volume-monitor
```

A screenshot of a terminal window titled "waqar@waqar-Latitude-E6540: ~". The window contains the following text:

```
waqar@waqar-Latitude-E6540:~$ ps -T
 PID   SPID TTY      TIME CMD
 9831   9831 pts/0    00:00:00 bash
 9924   9924 pts/0    00:00:00 ps
waqar@waqar-Latitude-E6540:~$ █
```

Q 2:

```
waqar@waqar-Latitude-E6540:~$ vim Your_Name
```

waqar@waqar-Latitude-E6540: ~

"Your_Name" [New] 0,0-1 All

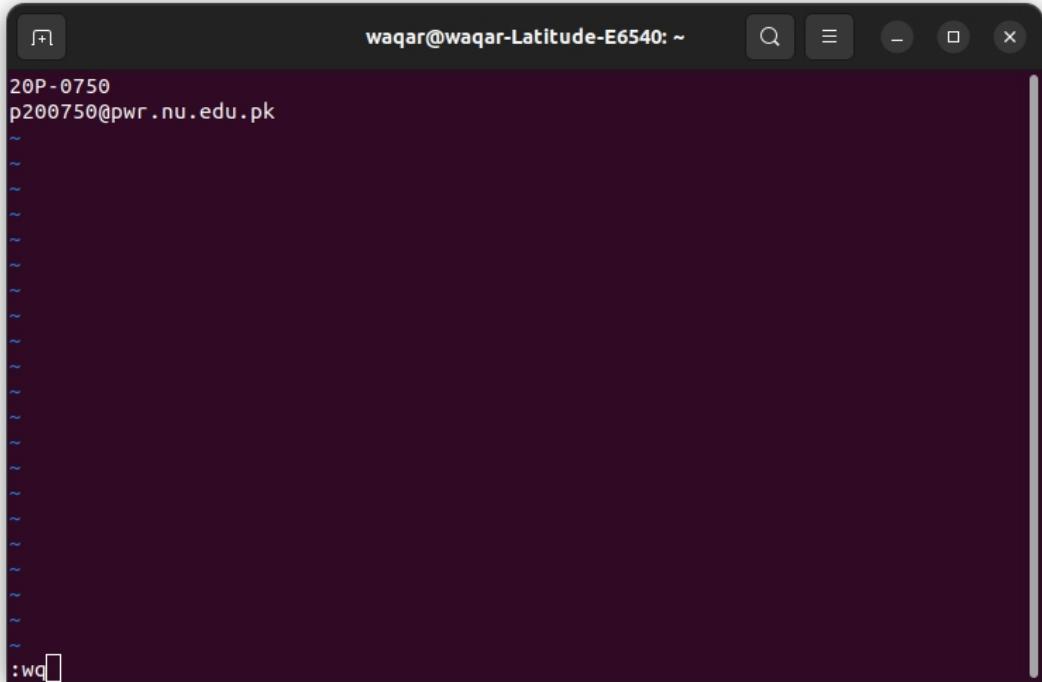
press i for insert mode and then write text in file.

press esc for remove insert mode

then press :wq to save data and exit from file.

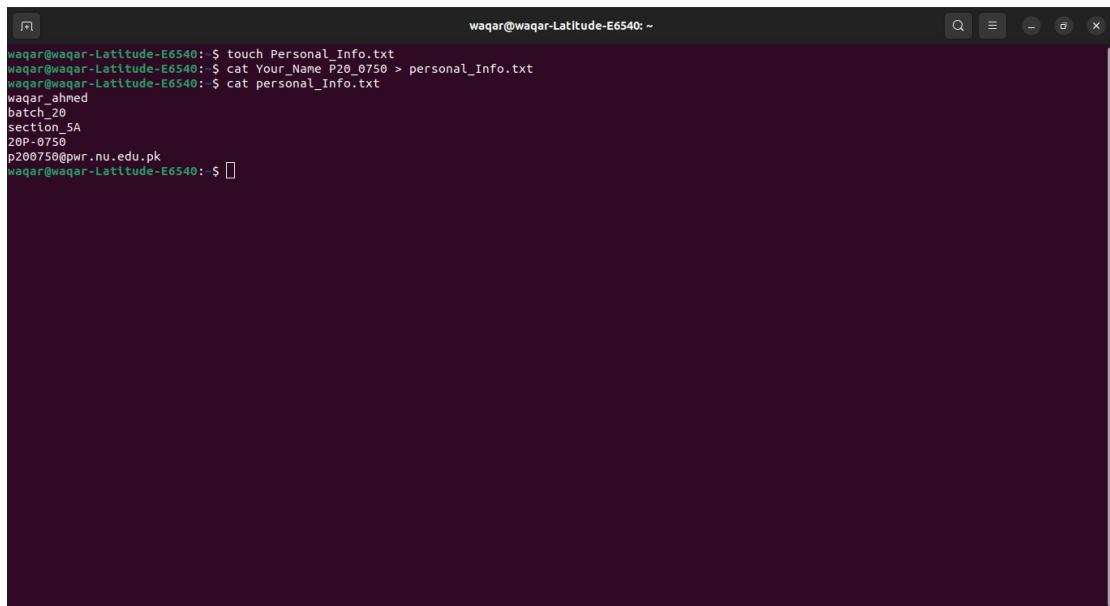
second file P20_0750

```
waqar@waqar-Latitude-E6540:~$ vim P20_0750
```



```
waqar@waqar-Latitude-E6540: ~
20P-0750
p200750@pwr.nu.edu.pk
~
```

creating third file and also concatenating two files.



```
waqar@waqar-Latitude-E6540: ~$ touch Personal_Info.txt
waqar@waqar-Latitude-E6540: ~$ cat Your_Name_P20_0750 > personal_Info.txt
waqar@waqar-Latitude-E6540: ~$ cat personal_Info.txt
waqar_ahmed
batch_20
section_SA
20P-0750
p200750@pwr.nu.edu.pk
waqar@waqar-Latitude-E6540: ~$
```