

```
manikandanshanmugam@E14-Gen-4: ~$  
manikandanshanmugam@E14-Gen-4: ~$ mkdir Freshers  
manikandanshanmugam@E14-Gen-4: ~$
```

```
manikandanshanmugam@E14-Gen-4: ~$  
manikandanshanmugam@E14-Gen-4: ~$ mkdir Freshers/Sep-03  
manikandanshanmugam@E14-Gen-4: ~$ mkdir Freshers/Sep-04  
manikandanshanmugam@E14-Gen-4: ~$
```

```
manikandanshanmugam@E14-Gen-4 -  
manikandanshanmugam@E14-Gen-4: $ touch Freshers/Sep-03/linux-cnds  
manikandanshanmugam@E14-Gen-4: $
```

```
manikandanshanmugam@E14-Gen-4 -  
manikandanshanmugam@E14-Gen-4: $ nano Freshers/Sep-03/linux-cnds
```

```
manikandanshanmugam@E14-Gen-4 -  
GNU nano 6.2 Freshers/Sep-03/linux-cmds  
Hl.. This is an Assignment  
Hope Everyone is Doing Well...  
All the very best.x  
  
Read 5 lines  
RC Help      Write Out  Where Is  Cut       Execute  
XX Exit      Read File  Replace   Paste     Justify  
LC Location  G-U Undo   Set Mark  To Bracket Previous  Back      Prev Word  
GZ Go To Line H-E Redo   Copy      Where Was Next     Forward   Next Word  
  
manikandanshanmugam@E14-Gen-4 -  
manikandanshanmugam@E14-Gen-4: $ mv Freshers/Sep-03/ Freshers/Sep-03-2024  
manikandanshanmugam@E14-Gen-4: $ mv Freshers/Sep-04 Freshers/Sep-04-2024  
manikandanshanmugam@E14-Gen-4: $
```

```
manikandanshanmugam@E14-Gen-4: ~  
manikandanshanmugam@E14-Gen-4: $ cp Freshers/Sep-03-2024/linux-cnds Freshers/Sep-04-2024/  
manikandanshanmugam@E14-Gen-4: $
```

```
manikandanshanmugam@E14-Gen-4: ~/Documents  
manikandanshanmugam@E14-Gen-4: ~/Documents $ pwd  
/home/manikandanshanmugam/Documents  
manikandanshanmugam@E14-Gen-4: ~/Documents $
```

```
manikandanshanmugam@E14-Gen-4: ~$ grep 'well' Freshers/Sep-03-2024/linux-cnds -l
manikandanshanmugam@E14-Gen-4: ~$
manikandanshanmugam@E14-Gen-4: ~$
```

```
manikandanshanmugam@E14-Gen-4: ~$ top -b:18:27:13 up 4:44, 1 user, load average: 0.20, 0.24, 0.25
Tasks: 456 total, 1 running, 455 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.3 us, 0.3 sy, 0.0 ni, 99.4 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
Mem: 15676.7 total, 10837.6 free, 2419.4 used, 2419.6 buff/cache
Mem Swap: 2048.0 total, 2048.0 free, 0.0 used, 12377.9 avail Mem

  PID USER      PR  NI  VIRT  RES  SHR  S  %CPU  %MEM     TIME+ COMMAND
    417 root        -SI   0    0     0    0    0  S   2.0   0.0   3:14.45 irq/186-elan_l2c
   1684 manikan+   20    0 6168292 297736 133852  S   1.7   1.9   4:01.60 gnome-shell
   2272 manikan+  20    0 32.7g 383852 189604  S   0.7   1.9   2:37.04 chrome
   6114 manikan+  20    0 562252 58552 45400  S   0.7   0.4   0:11.10 gnome-terminal-
   203 root        0 -20    0     0    0    0  I   0.3   0.0   0:00.30 kworker/8:1H-events_highpri
  2386 manikan+  20    0 33.2g 229808 130864  S   0.3   1.4   2:36.59 chrome
  2388 manikan+  20    0 32.4g 131540 98968  S   0.3   0.8   0:58.19 chrome
  2398 manikan+  20    0 32.7g 59148 41432  S   0.3   0.4   0:02.42 chrome
   5127 manikan+  20    0 1172.7g 209456 131604  S   0.3   1.3   0:09.84 chrome
   5945 root        20    0    0     0    0    0  I   0.3   0.0   0:02.54 kworker/u24:37-flush-259:0
   6700 manikan+  20    0 1168.0g 440836 127428  S   0.3   2.7   2:07.93 chrome
   7313 root        0 -20    0     0    0    0  I   0.3   0.0   0:00.40 kworker/u25:2-rb_allocator
   7436 manikan+  20    0 13480 4480 3328  R   0.3   0.0   0:00.05 top
    1 root        20    0 166628 11152 7952  S   0.0   0.1   0:02.38 systemd
    2 root        20    0    0     0    0    0  S   0.0   0.0   0:00.04 kthread
    3 root        20    0    0     0    0    0  S   0.0   0.0   0:00.00 pool_workqueue_release
    4 root        0 -20    0     0    0    0  I   0.0   0.0   0:00.00 kworker/R-rcu_g
    5 root        0 -20    0     0    0    0  I   0.0   0.0   0:00.00 kworker/R-rcu_p
    6 root        0 -20    0     0    0    0  I   0.0   0.0   0:00.00 kworker/R-slab
    7 root        0 -20    0     0    0    0  I   0.0   0.0   0:00.00 kworker/R-netns
    9 root        0 -20    0     0    0    0  I   0.0   0.0   0:00.00 kworker/0:0H-events_highpri
   12 root        0 -20    0     0    0    0  I   0.0   0.0   0:00.00 kworker/R-nm_pe
   13 root        20    0    0     0    0    0  I   0.0   0.0   0:00.00 rcu_tasks_kthread
   14 root        20    0    0     0    0    0  I   0.0   0.0   0:00.00 rcu_tasks_rude_kthread
   15 root        20    0    0     0    0    0  I   0.0   0.0   0:00.00 rcu_tasks_trace_kthread
   16 root        20    0    0     0    0    0  S   0.0   0.0   0:00.04 ksoftirqd/0
   17 root        20    0    0     0    0    0  I   0.0   0.0   0:06.70 rcu_preempt
   18 root        rt    0    0     0    0    0  S   0.0   0.0   0:00.30 migration/0
   19 root        -SI   0    0     0    0    0  S   0.0   0.0   0:00.00 idle_inject/0
   20 root        20    0    0     0    0    0  S   0.0   0.0   0:00.00 cpuhp/0
   21 root        20    0    0     0    0    0  S   0.0   0.0   0:00.00 cpuhp/2
   22 root        -SI   0    0     0    0    0  S   0.0   0.0   0:00.00 idle_inject/2
   23 root        rt    0    0     0    0    0  S   0.0   0.0   0:00.30 migration/2
   24 root        20    0    0     0    0    0  S   0.0   0.0   0:00.01 ksoftirqd/2
   26 root        0 -20    0     0    0    0  I   0.0   0.0   0:00.00 kworker/2:0H-events_highpri
   27 root        20    0    0     0    0    0  S   0.0   0.0   0:00.00 cpuhp/4
   28 root        -SI   0    0     0    0    0  S   0.0   0.0   0:00.00 idle_inject/4
   29 root        rt    0    0     0    0    0  S   0.0   0.0   0:00.61 migration/4
   30 root        20    0    0     0    0    0  S   0.0   0.0   0:00.01 ksoftirqd/4
   32 root        0 -20    0     0    0    0  I   0.0   0.0   0:00.00 kworker/4:0H-events_highpri
   33 root        20    0    0     0    0    0  S   0.0   0.0   0:00.00 cpuhp/5
   34 root        -SI   0    0     0    0    0  S   0.0   0.0   0:00.00 idle_inject/5
   35 root        rt    0    0     0    0    0  S   0.0   0.0   0:00.45 migration/5
   36 root        20    0    0     0    0    0  S   0.0   0.0   0:00.01 ksoftirqd/5
   38 root        0 -20    0     0    0    0  I   0.0   0.0   0:00.00 kworker/5:0H-events_highpri
   39 root        20    0    0     0    0    0  S   0.0   0.0   0:00.00 cpuhp/6
   40 root        -SI   0    0     0    0    0  S   0.0   0.0   0:00.00 idle_inject/6
   41 root        rt    0    0     0    0    0  S   0.0   0.0   0:00.36 migration/6
```

```
manikandanshanmugam@E14-Gen-4: ~/Freshers
manikandanshanmugam@E14-Gen-4:~/Freshers$ ls
Sep-03-2024  Sep-04-2024
manikandanshanmugam@E14-Gen-4:~/Freshers$ locate linux-cnds
/home/manikandanshanmugam/Freshers/Sep-03-2024/linux-cnds
/home/manikandanshanmugam/Freshers/Sep-04-2024/linux-cnds
manikandanshanmugam@E14-Gen-4:~/Freshers$
```

```
manikandanshanmugam@E14-Gen-4:~/Freshers
manikandanshanmugam@E14-Gen-4:~/Freshers$ date
Tuesday 03 September 2024 06:32:37 PM IST
manikandanshanmugam@E14-Gen-4:~/Freshers$
```

```
manikandanshanmugam@E14-Gen-4: ~$ ls Freshers -R
Freshers:
Sep-03-2024  Sep-04-2024

Freshers/Sep-03-2024:
Linux-cnds

Freshers/Sep-04-2024:
Linux-cnds
manikandanshanmugam@E14-Gen-4: ~$
```

```
manikandanshanmugam@E14-Gen-4: ~$ ls Freshers -R
Freshers:
Sep-03-2024  Sep-04-2024

Freshers/Sep-03-2024:
Linux-cnds

Freshers/Sep-04-2024:
Linux-cnds
manikandanshanmugam@E14-Gen-4: ~$ ip address show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s31f6: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc fq_codel state DOWN group default qlen 1000
    link/ether 6c:24:08:8b:f5:6d brd ff:ff:ff:ff:ff:ff
3: wlp0s20f3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether f8:9e:94:82:a3:a2 brd ff:ff:ff:ff:ff:ff
    inet 10.0.4.80/24 brd 10.0.4.255 scope global dynamic noprefixroute wlp0s20f3
        valid_lft 6500sec preferred_lft 6500sec
    inet6 fe80::280e:e7db:57e7:eabc/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
manikandanshanmugam@E14-Gen-4: ~$
```

```
manikandanshanmugam@E14-Gen-4: ~$ ping -c 4 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data:
64 bytes from 8.8.8.8: icmp_seq=1 ttl=120 time=21.4 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=120 time=8.36 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=120 time=5.64 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=120 time=29.1 ms

--- 8.8.8.8 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3006ms
rtt min/avg/max/mdev = 5.641/16.136/29.137/9.583 ms
manikandanshanmugam@E14-Gen-4: ~$
```

```
manikandanshanmugam@E14-Gen-4: ~$ du Freshers/ -sh
20K Freshers/
manikandanshanmugam@E14-Gen-4: ~$
```