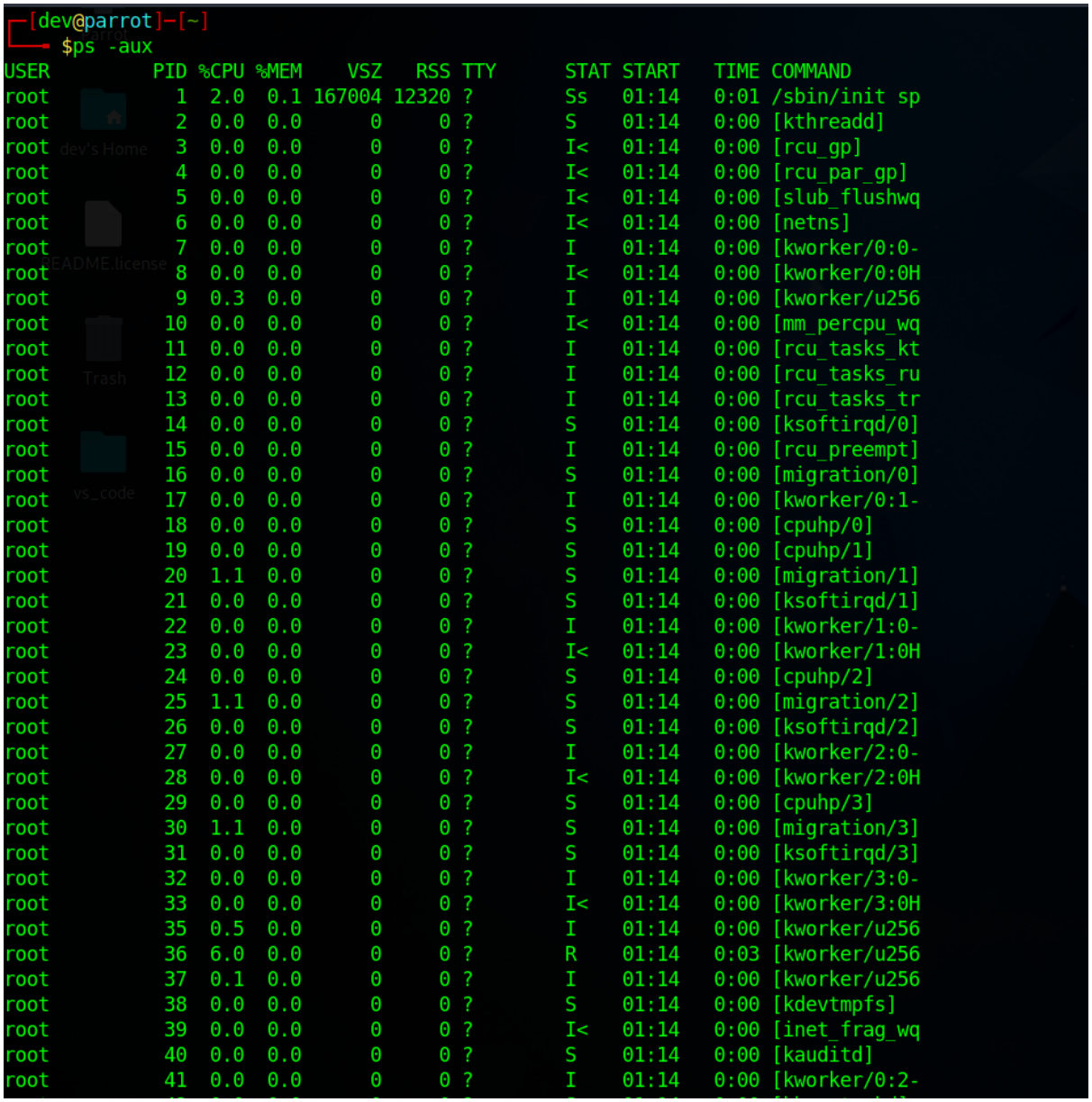
Paste the command that you require to achieve steps mentioned below and paste the screenshot whenever needed.

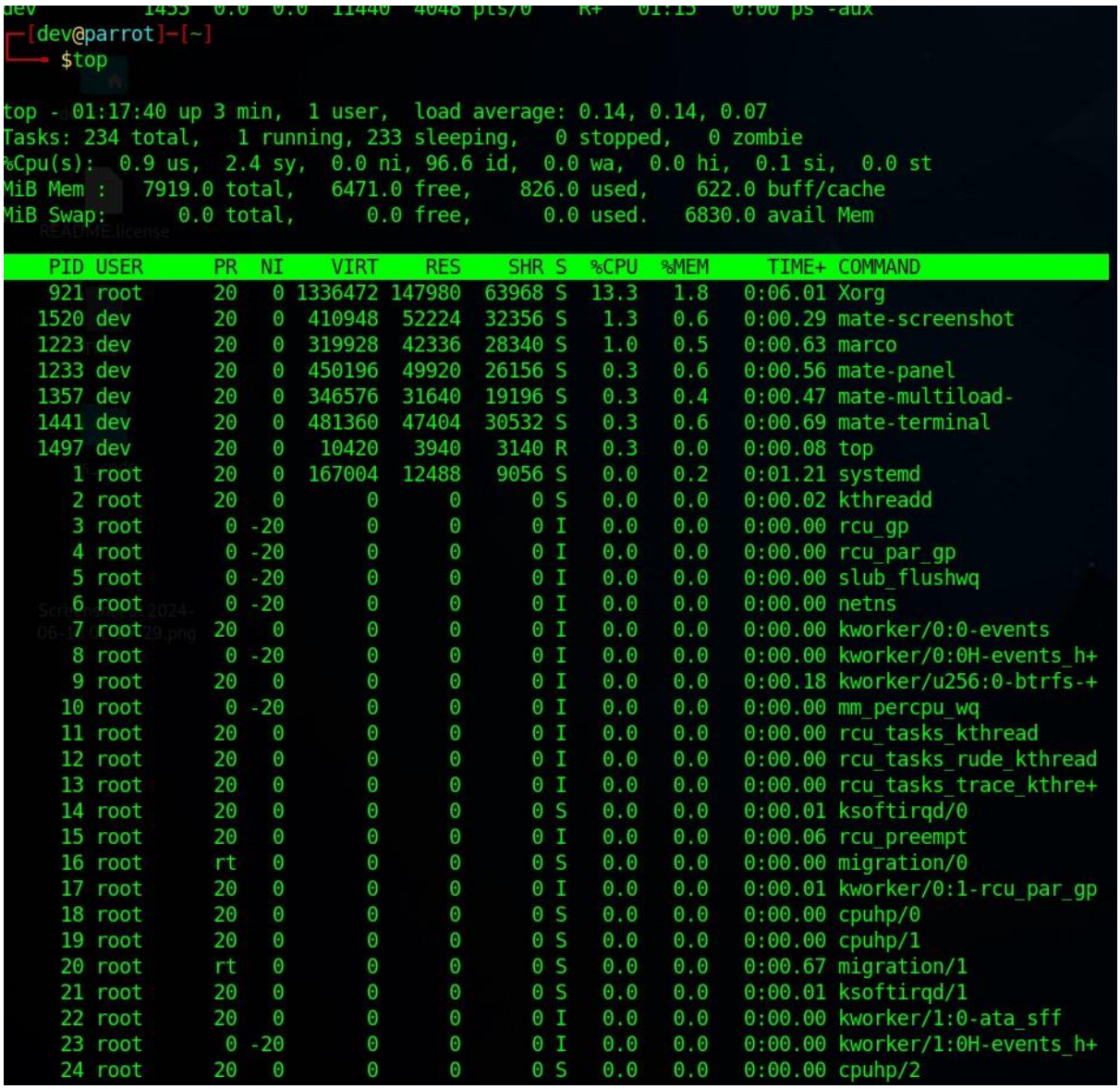
(You can save a copy of this file and modify it directly!)

1) See currently started processes in your system.



```
[dev@parrot]-[~]
 $ps -aux
USER         PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  2.0  0.1 167004 12320 ?        Ss   01:14   0:01 /sbin/init sp
root           2  0.0  0.0      0     0 ?        S    01:14   0:00 [kthreadd]
root           3  0.0  0.0      0     0 ?        I<   01:14   0:00 [rcu_gp]
root           4  0.0  0.0      0     0 ?        I<   01:14   0:00 [rcu_par_gp]
root           5  0.0  0.0      0     0 ?        I<   01:14   0:00 [slub_flushwq
root           6  0.0  0.0      0     0 ?        I<   01:14   0:00 [netns]
root           7  0.0  0.0      0     0 ?        I    01:14   0:00 [kworker/0:0-
root           8  0.0  0.0      0     0 ?        I<   01:14   0:00 [kworker/0:0H
root           9  0.3  0.0      0     0 ?        I    01:14   0:00 [kworker/u256
root          10  0.0  0.0      0     0 ?        I<   01:14   0:00 [mm_percpu_wq
root          11  0.0  0.0      0     0 ?        I    01:14   0:00 [rcu_tasks_kt
root          12  0.0  0.0      0     0 ?        I    01:14   0:00 [rcu_tasks_ru
root          13  0.0  0.0      0     0 ?        I    01:14   0:00 [rcu_tasks_tr
root          14  0.0  0.0      0     0 ?        S    01:14   0:00 [ksoftirqd/0]
root          15  0.0  0.0      0     0 ?        I    01:14   0:00 [rcu_preempt]
root          16  0.0  0.0      0     0 ?        S    01:14   0:00 [migration/0]
root          17  0.0  0.0      0     0 ?        I    01:14   0:00 [kworker/0:1-
root          18  0.0  0.0      0     0 ?        S    01:14   0:00 [cpuhp/0]
root          19  0.0  0.0      0     0 ?        S    01:14   0:00 [cpuhp/1]
root          20  1.1  0.0      0     0 ?        S    01:14   0:00 [migration/1]
root          21  0.0  0.0      0     0 ?        S    01:14   0:00 [ksoftirqd/1]
root          22  0.0  0.0      0     0 ?        I    01:14   0:00 [kworker/1:0-
root          23  0.0  0.0      0     0 ?        I<   01:14   0:00 [kworker/1:0H
root          24  0.0  0.0      0     0 ?        S    01:14   0:00 [cpuhp/2]
root          25  1.1  0.0      0     0 ?        S    01:14   0:00 [migration/2]
root          26  0.0  0.0      0     0 ?        S    01:14   0:00 [ksoftirqd/2]
root          27  0.0  0.0      0     0 ?        I    01:14   0:00 [kworker/2:0-
root          28  0.0  0.0      0     0 ?        I<   01:14   0:00 [kworker/2:0H
root          29  0.0  0.0      0     0 ?        S    01:14   0:00 [cpuhp/3]
root          30  1.1  0.0      0     0 ?        S    01:14   0:00 [migration/3]
root          31  0.0  0.0      0     0 ?        S    01:14   0:00 [ksoftirqd/3]
root          32  0.0  0.0      0     0 ?        I    01:14   0:00 [kworker/3:0-
root          33  0.0  0.0      0     0 ?        I<   01:14   0:00 [kworker/3:0H
root          35  0.5  0.0      0     0 ?        I    01:14   0:00 [kworker/u256
root          36  6.0  0.0      0     0 ?        R    01:14   0:03 [kworker/u256
root          37  0.1  0.0      0     0 ?        I    01:14   0:00 [kworker/u256
root          38  0.0  0.0      0     0 ?        S    01:14   0:00 [kdevtmpfs]
root          39  0.0  0.0      0     0 ?        I<   01:14   0:00 [inet_frag_wq
root          40  0.0  0.0      0     0 ?        S    01:14   0:00 [kauditd]
root          41  0.0  0.0      0     0 ?        I    01:14   0:00 [kworker/0:2-
```

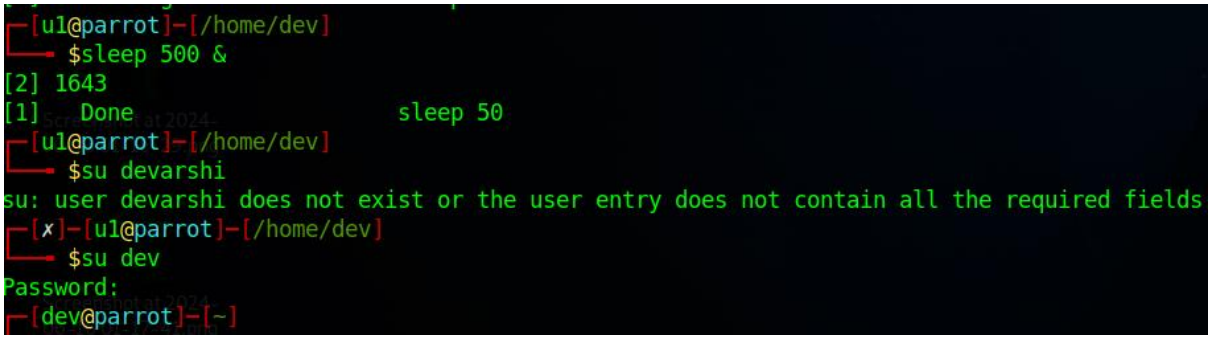
2) Get the snapshot of active processes in your system.



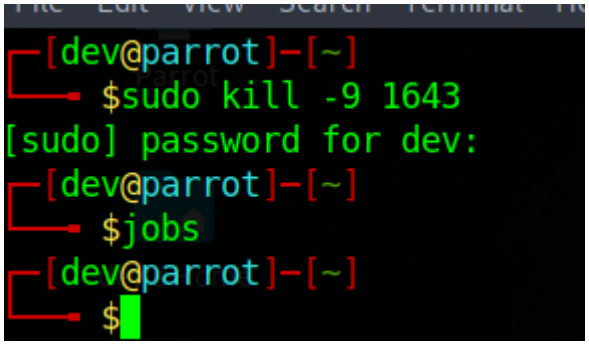
```
dev         1455  0.0  0.0  11440  4048 pts/0    R+   01:15   0:00 ps -aux
┌─[dev@parrot]─[~]
└──╼ $top

top - 01:17:40 up 3 min,  1 user,  load average: 0.14, 0.14, 0.07
Tasks: 234 total,   1 running, 233 sleeping,   0 stopped,   0 zombie
%Cpu(s):  0.9 us,  2.4 sy,  0.0 ni, 96.6 id,  0.0 wa,  0.0 hi,  0.1 si,  0.0 st
MiB Mem :   7919.0 total,   6471.0 free,    826.0 used,    622.0 buff/cache
MiB Swap:      0.0 total,      0.0 free,      0.0 used.   6830.0 avail Mem

    PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
    921 root      20   0 1336472 147980  63968 S  13.3   1.8   0:06.01 Xorg
   1520 dev       20   0  410948  52224  32356 S   1.3   0.6   0:00.29 mate-screenshot
   1223 dev       20   0  319928  42336  28340 S   1.0   0.5   0:00.63 marco
   1233 dev       20   0  450196  49920  26156 S   0.3   0.6   0:00.56 mate-panel
   1357 dev       20   0  346576  31640  19196 S   0.3   0.4   0:00.47 mate-multiload-
   1441 dev       20   0  481360  47404  30532 S   0.3   0.6   0:00.69 mate-terminal
   1497 dev       20   0   10420   3940   3140 R   0.3   0.0   0:00.08 top
      1 root      20   0  167004  12488   9056 S   0.0   0.2   0:01.21 systemd
      2 root      20   0       0      0      0 S   0.0   0.0   0:00.02 kthreadd
      3 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 rcu_gp
      4 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 rcu_par_gp
      5 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 slub_flushwq
      6 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 netns
      7 root      20   0       0      0      0 I   0.0   0.0   0:00.00 kworker/0:0-events
      8 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/0:0H-events_h+
      9 root      20   0       0      0      0 I   0.0   0.0   0:00.18 kworker/u256:0-btrfs-+
     10 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 mm_percpu_wq
     11 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_kthread
     12 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_rude_kthread
     13 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_trace_kthre+
     14 root      20   0       0      0      0 S   0.0   0.0   0:00.01 ksoftirqd/0
     15 root      20   0       0      0      0 I   0.0   0.0   0:00.06 rcu_preempt
     16 root      rt   0       0      0      0 S   0.0   0.0   0:00.00 migration/0
     17 root      20   0       0      0      0 I   0.0   0.0   0:00.01 kworker/0:1-rcu_par_gp
     18 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/0
     19 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/1
     20 root      rt   0       0      0      0 S   0.0   0.0   0:00.67 migration/1
     21 root      20   0       0      0      0 S   0.0   0.0   0:00.01 ksoftirqd/1
     22 root      20   0       0      0      0 I   0.0   0.0   0:00.00 kworker/1:0-ata_sff
     23 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/1:0H-events_h+
     24 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/2
```

3) Log in as some another user (Maybe you can log in as user, which you have created for previous activity)
4) Now create background process. (e.g. sleep 50 &)
5) Now observe currently active jobs and note their user id. Can you see some change, if so, describe it with screenshot.

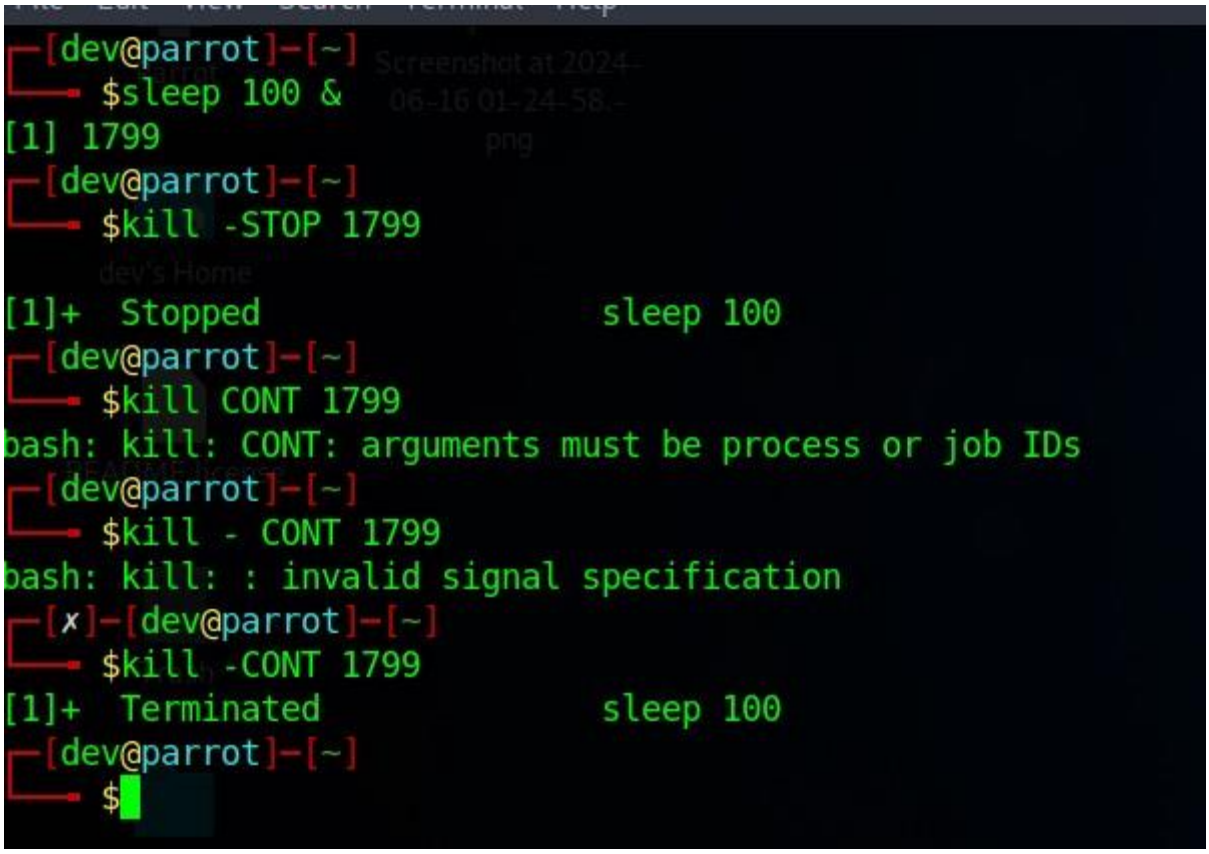
6) Create one background process “sleep 500 &”
7) Switch back to your regular user



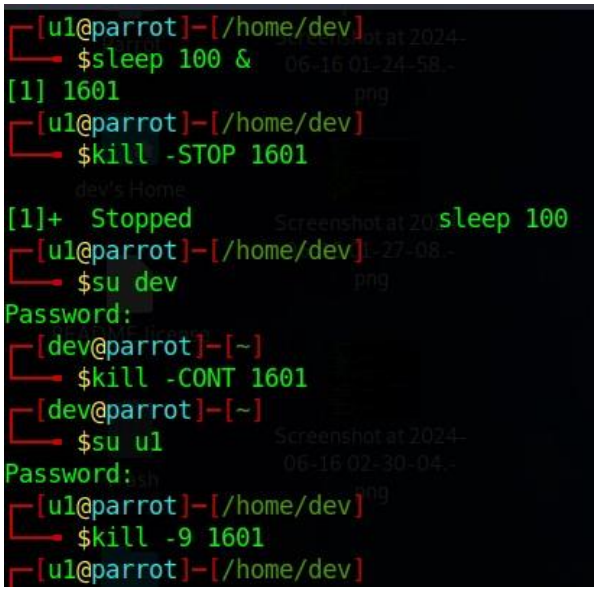
8) Now send “SIGKILL” signal to the process, created in step-6.



9) Create one background process “sleep 100 &”
10) Stop that process, created in above step-9.
11) Resume that process, stopped in above step – 10.
12)



13) Create same process (from step-9), stop that process (followed by step-10) then switch user to some other user and resume that process.
14) Switch back to your regular user and kill that process.



Dt:13-06-24

Paste your cheat sheet here:

Ps -aux

Kill -9 PID

Kill -STOP

Kill -CONT

jobs

Write conclusion in few lines for above activity and today's session: