

## 1 Parte

### Controllare processi attivi

```
kali@kali: ~  
File Actions Edit View Help  
top - 14:26:13 up 5 min, 1 user, load average: 0.07, 0.20, 0.11  
Tasks: 148 total, 1 running, 147 sleeping, 0 stopped, 0 zombie  
%Cpu(s): 0.7 us, 0.7 sy, 0.0 ni, 98.6 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st  
MiB Mem : 1972.4 total, 930.3 free, 783.6 used, 409.7 buff/cache  
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used, 1188.8 avail Mem  


| PID | USER | PR | NI  | VIRT   | RES    | SHR   | S | %CPU | %MEM | TIME+   | COMMAND                     |
|-----|------|----|-----|--------|--------|-------|---|------|------|---------|-----------------------------|
| 672 | root | 20 | 0   | 378956 | 97400  | 58992 | S | 1.0  | 4.8  | 0:08.39 | Xorg                        |
| 937 | kali | 20 | 0   | 940512 | 109540 | 77320 | S | 0.7  | 5.4  | 0:02.19 | xfwm4                       |
| 17  | root | 20 | 0   | 0      | 0      | 0     | I | 0.3  | 0.0  | 0:00.25 | kworker/0:1-events          |
| 35  | root | 39 | 19  | 0      | 0      | 0     | S | 0.3  | 0.0  | 0:00.04 | khugepaged                  |
| 880 | kali | 20 | 0   | 217440 | 2380   | 2032  | S | 0.3  | 0.1  | 0:00.40 | VBoxClient                  |
| 888 | kali | 20 | 0   | 217956 | 2444   | 2096  | S | 0.3  | 0.1  | 0:01.82 | VBoxClient                  |
| 964 | kali | 20 | 0   | 217544 | 3492   | 2972  | S | 0.3  | 0.2  | 0:00.22 | VBoxClient                  |
| 997 | kali | 20 | 0   | 204044 | 28140  | 18904 | S | 0.3  | 1.4  | 0:01.29 | panel-13-cpugra             |
| 999 | kali | 20 | 0   | 284796 | 30528  | 20748 | S | 0.3  | 1.5  | 0:01.08 | panel-15-genmon             |
| 1   | root | 20 | 0   | 167616 | 12068  | 8956  | S | 0.0  | 0.6  | 0:01.05 | systemd                     |
| 2   | root | 20 | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.00 | 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                       |
| 8   | root | 0  | -20 | 0      | 0      | 0     | I | 0.0  | 0.0  | 0:00.00 | kworker/0:0H-events_highpri |
| 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_kthread     |
| 14  | root | 20 | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.06 | ksoftirqd/0                 |
| 15  | root | 20 | 0   | 0      | 0      | 0     | I | 0.0  | 0.0  | 0:00.23 | rcu_preempt                 |
| 16  | root | rt | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.01 | migration/0                 |
| 18  | root | 20 | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.00 | cpuhp/0                     |


```

### Processi Root

```
kali@kali: ~  
File Actions Edit View Help  
top - 14:43:20 up 23 min, 1 user, load average: 0.01, 0.05, 0.07  
Tasks: 152 total, 1 running, 151 sleeping, 0 stopped, 0 zombie  
%Cpu(s): 0.9 us, 1.3 sy, 0.0 ni, 97.8 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st  
MiB Mem : 1972.4 total, 878.9 free, 827.6 used, 418.0 buff/cache  
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used, 1144.9 avail Mem  


| PID   | USER | PR | NI  | VIRT   | RES    | SHR   | S | %CPU | %MEM | TIME+   | COMMAND         |
|-------|------|----|-----|--------|--------|-------|---|------|------|---------|-----------------|
| 672   | root | 20 | 0   | 383584 | 102180 | 59452 | S | 2.3  | 5.1  | 0:26.11 | Xorg            |
| 15    | root | 20 | 0   | 0      | 0      | 0     | I | 0.3  | 0.0  | 0:00.90 | rcu_preempt     |
| 21    | root | 20 | 0   | 0      | 0      | 0     | S | 0.3  | 0.0  | 0:00.13 | ksoftirqd/1     |
| 11369 | root | 20 | 0   | 0      | 0      | 0     | I | 0.3  | 0.0  | 0:00.21 | kworker/1:0-ev+ |
| 1     | root | 20 | 0   | 167612 | 12064  | 8956  | S | 0.0  | 0.6  | 0:01.11 | systemd         |
| 2     | root | 20 | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.00 | 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           |
| 8     | root | 0  | -20 | 0      | 0      | 0     | I | 0.0  | 0.0  | 0:00.00 | kworker/0:0H-e+ |
| 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_kthr+ |
| 12    | root | 20 | 0   | 0      | 0      | 0     | I | 0.0  | 0.0  | 0:00.00 | rcu_tasks_rude+ |
| 13    | root | 20 | 0   | 0      | 0      | 0     | I | 0.0  | 0.0  | 0:00.00 | rcu_tasks_trac+ |
| 14    | root | 20 | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.13 | ksoftirqd/0     |
| 16    | root | rt | 0   | 0      | 0      | 0     | S | 0.0  | 0.0  | 0:00.05 | migration/0     |


```

### Processi kali

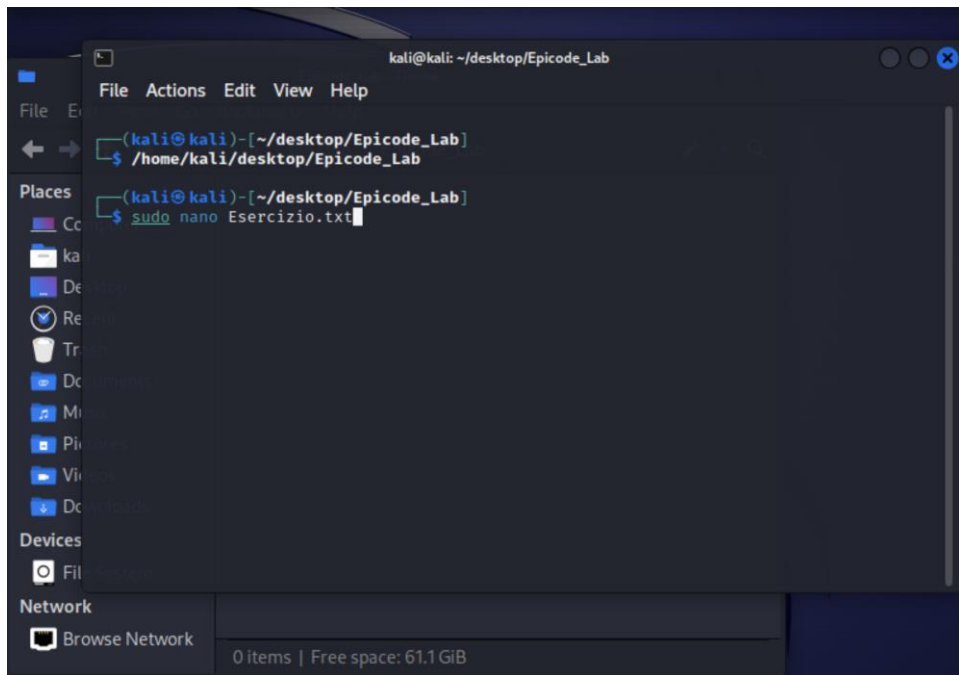
```
kali@kali: ~
File Actions Edit View Help
top - 14:43:37 up 23 min, 1 user, load average: 0.01, 0.04, 0.06
Tasks: 152 total, 1 running, 151 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.5 us, 1.8 sy, 0.0 ni, 97.5 id, 0.0 wa, 0.0 hi, 0.2 si, 0.0 st
MiB Mem : 1972.4 total, 878.9 free, 827.5 used, 418.1 buff/cache
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used, 1145.0 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
 888 kali        20   0 217956   2444   2096  S   0.7   0.1   0:08.76 VBoxClient
 997 kali        20   0 204044   32196 18904  S   0.7   1.6   0:05.28 panel-13-cpugra
 999 kali        20   0 284796   30696 20812  S   0.7   1.5   0:04.25 panel-15-genmon
 937 kali        20   0 940512 109596 77316  S   0.3   5.4   0:07.77 xfwm4
 991 kali        20   0 656976 135448 39584  S   0.3   6.7   0:02.99 xfdesktop
1000 kali        20   0 666632   45044 33800  S   0.3   2.2   0:01.57 panel-16-pulsea
6261 kali        20   0 440636 105128 84072  S   0.3   5.2   0:02.32 qterminal
11429 kali        20   0 440036 103160 84040  S   0.3   5.1   0:01.03 qterminal
12586 kali       20   0 11584   5088   3200  R   0.3   0.3   0:00.04 top
 772 kali        20   0 19144   10852 8884  S   0.0   0.5   0:00.11 systemd
 773 kali        20   0 103184   3224    0  S   0.0   0.2   0:00.00 (sd-pam)
 788 kali        9 -11 660496 36336 24336  S   0.0   1.8   0:00.25 pulseaudio
 790 kali        20   0 239748 11740 8692  S   0.0   0.6   0:00.04 gnome-keyring-d
 797 kali        20   0 9544    5404 4348  S   0.0   0.3   0:00.68 dbus-daemon
 798 kali        20   0 267852 27564 17712  S   0.0   1.4   0:00.60 xfce4-session
 863 kali        20   0 19152    340    0  S   0.0   0.0   0:00.00 VBoxClient
 864 kali        20   0 217340   2072 1540  S   0.0   0.1   0:00.00 VBoxClient
```

Nuova directory Epicode\_Lab

```
kali@kali: ~
File Actions Edit View Help
(kali@kali)-[~]
$ sudo mkdir /home/kali/desktop/Epicode_Lab
(kali@kali)-[~]
$
```

Creare file Esercizio.txt



Modifica file con editor nano

