```
PDITA630@PDITA630l:~$ ps
   PID TTY          TIME CMD
 14359 pts/0    00:00:00 bash
 14372 pts/0    00:00:00 ps
PDITA630@PDITA630l:~$ ps aux
USER         PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  0.0  0.1 171120 14548 ?       Ss   16:09   0:03 /sbin/init sp
root           2  0.0  0.0      0     0 ?        S    16:09   0:00 [kthreadd]
root           3  0.0  0.0      0     0 ?        I<   16:09   0:00 [rcu_gp]
root           4  0.0  0.0      0     0 ?        I<   16:09   0:00 [rcu_par_gp]
root           5  0.0  0.0      0     0 ?        I<   16:09   0:00 [slub_flushwq]
root           6  0.0  0.0      0     0 ?        I<   16:09   0:00 [netns]
root           8  0.0  0.0      0     0 ?        I<   16:09   0:00 [kworker/0:0H]
root          11  0.0  0.0      0     0 ?        I<   16:09   0:00 [mm_percpu_wq]
root          12  0.0  0.0      0     0 ?        I    16:09   0:00 [rcu_tasks_kt]
root          13  0.0  0.0      0     0 ?        I    16:09   0:00 [rcu_tasks_ru]
root          14  0.0  0.0      0     0 ?        I    16:09   0:00 [rcu_tasks_tr]
root          15  0.0  0.0      0     0 ?        S    16:09   0:00 [ksoftirqd/0]
root          16  0.0  0.0      0     0 ?        I    16:09   0:01 [rcu_preempt]
root          17  0.0  0.0      0     0 ?        S    16:09   0:00 [migration/0]
root          18  0.0  0.0      0     0 ?        S    16:09   0:00 [idle_inject/
root          19  0.0  0.0      0     0 ?        S    16:09   0:00 [cpuhp/0]
root          20  0.0  0.0      0     0 ?        S    16:09   0:00 [cpuhp/1]
root          21  0.0  0.0      0     0 ?        S    16:09   0:00 [idle_inject/
root          22  0.0  0.0      0     0 ?        S    16:09   0:00 [migration/1]
root          23  0.0  0.0      0     0 ?        S    16:09   0:00 [ksoftirqd/1]
root          25  0.0  0.0      0     0 ?        I<   16:09   0:00 [kworker/1:0H]
root          26  0.0  0.0      0     0 ?        S    16:09   0:00 [cpuhp/2]
root          27  0.0  0.0      0     0 ?        S    16:09   0:00 [idle_inject/
root          28  0.0  0.0      0     0 ?        S    16:09   0:00 [migration/2]
root          29  0.0  0.0      0     0 ?        S    16:09   0:00 [ksoftirqd/2]
root          31  0.0  0.0      0     0 ?        I<   16:09   0:00 [kworker/2:0H]
root          32  0.0  0.0      0     0 ?        S    16:09   0:00 [cpuhp/3]
root          33  0.0  0.0      0     0 ?        S    16:09   0:00 [idle_inject/
root          34  0.0  0.0      0     0 ?        S    16:09   0:00 [migration/3]
root          35  0.0  0.0      0     0 ?        S    16:09   0:00 [ksoftirqd/3]
root          37  0.0  0.0      0     0 ?        I<   16:09   0:00 [kworker/3:0H]
root          38  0.0  0.0      0     0 ?        S    16:09   0:00 [kdevtmpfs]
root          39  0.0  0.0      0     0 ?        I<   16:09   0:00 [inet_frag_wq]
root          41  0.0  0.0      0     0 ?        S    16:09   0:00 [kauditd]
root          42  0.0  0.0      0     0 ?        S    16:09   0:00 [khungtaskd]
root          44  0.0  0.0      0     0 ?        S    16:09   0:00 [oom_reaper]
root          45  0.0  0.0      0     0 ?        I<   16:09   0:00 [writeback]
root          46  0.0  0.0      0     0 ?        S    16:09   0:00 [kcompactd0]
root          47  0.0  0.0      0     0 ?        SN   16:09   0:00 [ksmd]
root          49  0.0  0.0      0     0 ?        SN   16:09   0:00 [khugepaged]
root          50  0.0  0.0      0     0 ?        I<   16:09   0:00 [kintegrityd]
root          51  0.0  0.0      0     0 ?        I<   16:09   0:00 [kblockd]
```

```
PDITA630      6756  0.0  0.4 206848  34688 ?      Sl   16:13   0:00 /snap/firefox
PDITA630      6774  0.0  1.4 2459640 113600 ?     Sl   16:13   0:01 /snap/firefox
PDITA630      6812  0.0  0.2 1312828  20432 ?     Sl   16:13   0:00 /usr/bin/snap
PDITA630      6965  0.0  1.0 2427628  84840 ?     Sl   16:13   0:00 /snap/firefox
PDITA630      7269  0.0  0.5 324640   44288 ?     Sl   16:13   0:00 /snap/firefox
PDITA630      7282  5.3  7.2 3295796 569100 ?     Sl   16:13   2:52 /snap/firefox
root          8632  0.0  1.6 563184  128508 ?     Ssl  16:15   0:01 /usr/libexec/
PDITA630     10284  0.0  0.6 363768   51032 ?     Sl   16:19   0:00 /snap/firefox
root         10317  0.0  0.0      0      0 ?      I    16:20   0:00 [kworker/2:0-
root         10319  0.0  0.0      0      0 ?      I    16:20   0:00 [kworker/2:3-
root         10377  0.0  0.0      0      0 ?      I<   16:20   0:00 [kworker/u9:0
PDITA630     10436  0.0  0.1 460376    9472 ?     Sl   16:20   0:00 /usr/libexec/
PDITA630     10457  0.0  0.1 388240    9088 ?     Sl   16:20   0:00 /usr/libexec/
root         10978  0.1  0.0  29564    5576 ?     S    16:21   0:03 (udev-worker)
root         12653  0.0  0.0      0      0 ?      I    16:33   0:00 [kworker/u8:0
root         12745  0.0  0.0      0      0 ?      I    16:37   0:00 [kworker/0:1-
root         12810  0.0  0.0      0      0 ?      I    16:40   0:00 [kworker/u8:1
PDITA630     12961  0.0  1.2 1077568 101736 ?     Sl   16:43   0:01 /usr/bin/evin
PDITA630     12977  0.0  0.0 230064    5504 ?     Sl   16:43   0:00 /usr/libexec/
PDITA630     13370  0.2  1.7 2512880 139652 ?     Sl   16:54   0:01 /snap/firefox
root         13428  0.0  0.0      0      0 ?      I    16:57   0:00 [kworker/1:2-
root         13463  0.0  0.0      0      0 ?      I    16:57   0:00 [kworker/0:2-
PDITA630     13467  0.0  0.7 2877020  58800 ?     Sl   16:57   0:00 gjs /usr/shar
root         13712  0.0  0.0      0      0 ?      I    17:00   0:00 [kworker/u8:3
root         13728  0.0  0.0      0      0 ?      I    17:00   0:00 [kworker/3:1-
root         13739  0.0  0.0      0      0 ?      I    17:00   0:00 [kworker/0:3-
PDITA630     13757  2.5  3.8 2876156 304076 ?     Sl   17:00   0:10 /snap/firefox
root         13799  0.0  0.0      0      0 ?      I    17:00   0:00 [kworker/2:1-
PDITA630     13851  0.2  1.8 2538216 148384 ?     Sl   17:00   0:00 /snap/firefox
PDITA630     13855  0.0  0.7 2384696  61440 ?     Sl   17:00   0:00 /snap/firefox
root         13895  0.0  0.0      0      0 ?      D<   17:01   0:00 [kworker/u9:3
root         13944  0.0  0.0      0      0 ?      I    17:02   0:00 [kworker/1:0-
PDITA630     13963  0.3  1.5 2531116 126400 ?     Sl   17:03   0:00 /snap/firefox
PDITA630     14104  0.0  0.7 2384712  60416 ?     Sl   17:04   0:00 /snap/firefox
root         14230  0.0  0.0      0      0 ?      I    17:04   0:00 [kworker/2:2-
root         14256  0.0  0.0      0      0 ?      I    17:05   0:00 [kworker/0:0]
root         14278  0.0  0.0      0      0 ?      I<   17:06   0:00 [kworker/u9:1
PDITA630     14293  0.1  0.7 2384708  61184 ?     Sl   17:06   0:00 /snap/firefox
PDITA630     14334  2.8  0.7 770216   55932 ?     Ssl  17:06   0:00 /usr/libexec/
PDITA630     14359  0.0  0.0   8388    4992 pts/0 Ss   17:06   0:00 bash
root         14367  0.0  0.0      0      0 ?      I    17:06   0:00 [kworker/u8:2
PDITA630     14373  0.0  0.0  11656    5248 pts/0 R+   17:07   0:00 ps aux
PDITA630@PDITA630l:~$ ps -aux | grep gedit
PDITA630     14389  0.0  0.0   6544    2304 pts/0 S+   17:07   0:00 grep --color=auto gedit
PDITA630@PDITA630l:~$ ps aux | grep 6544
PDITA630     14999  0.0  0.0   6544    2304 pts/0 S+   17:14   0:00 grep --color=auto 6544
PDITA630@PDITA630l:~$ 
```

```
PDITA630@PDITA630l:~$ gedit &
[2] 26739
PDITA630@PDITA630l:~$ Gtk-Message: 18:07:16.117: Not loading module "atk-bridge": The functionality is provided by GTK natively. Please try to not load it.

** (gedit:26649): WARNING **: 18:07:22.545: atk-bridge: get_device_events_reply: unknown signature
ps -aux | grep gedit
PDITA630   26649  3.7  0.7 770032 57744 pts/1    Sl   18:06   0:01 /snap/gedit/684/usr/bin/gedit
PDITA630   26799  0.0  0.0   6544  2304 pts/1    S+   18:07   0:00 grep --color=auto gedit
[2]+  Concluido               gedit
PDITA630@PDITA630l:~$ kill 26649
```

```
PDITA630@PDITA630l:~$ gedit &
[1] 26904
PDITA630@PDITA630l:~$ Gtk-Message: 18:09:21.351: Not loading module "atk-bridge": The functionality is provided by GTK natively. Please try to not load it.

(gedit:26904): Gtk-WARNING **: 18:09:21.431: GTK+ module /snap/gedit/684/gnome-platform/usr/lib/gtk-2.0/modules/libcanberra-gtk-module.so cannot be loaded.
GTK+ 2.x symbols detected. Using GTK+ 2.x and GTK+ 3 in the same process is not supported.
Gtk-Message: 18:09:21.431: Failed to load module "canberra-gtk-module"

(gedit:26904): Gtk-WARNING **: 18:09:21.432: GTK+ module /snap/gedit/684/gnome-platform/usr/lib/gtk-2.0/modules/libcanberra-gtk-module.so cannot be loaded.
GTK+ 2.x symbols detected. Using GTK+ 2.x and GTK+ 3 in the same process is not supported.
Gtk-Message: 18:09:21.432: Failed to load module "canberra-gtk-module"

(gedit:26904): GLib-GIO-WARNING **: 18:09:21.500: Error creating IO channel for /proc/self/mountinfo: Permission denied (g-file-error-quark, 2)
killall gedit
PDITA630@PDITA630l:~$
```

7: top

```
top - 17:30:38 up  1:41,  2 users,  load average: 3,50, 3,36, 2,81
Tarefas: 252 total,   2 em exec., 250 dormindo,   0 parado,   0 zumbi
%CPU(s): 20,1 us,  8,8 sy,  0,0 ni, 69,6 id,  0,8 wa,  0,0 hi,  0,7 si,  0,0 st
MB mem :   7717,2 total,    550,0 free,   5080,0 used,   3510,5 buff/cache
MB swap:   4096,0 total,   4076,5 free,     19,5 used.   2637,2 avail mem

   PID USUARIO    PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TEMPO+ COMANDO
 18464 PDITA630   20   0 7717904 764936 113340 S  30,2   9,7  10:37.08 Isolated Web Co
  2980 PDITA630   20   0  12,8g 701900 249704 S  20,3   8,9  18:35.48 firefox
  2146 PDITA630   20   0 5166588 351108 114424 S  14,3   4,4   6:46.40 gnome-shell
  1924 PDITA630   20   0 1134436 116968  65284 S  10,6   1,5   5:56.68 Xorg
 20974 PDITA630   20   0  775308  60456  44560 R   5,0   0,8   0:08.92 gnome-terminal-
  8756 PDITA630   20   0  615228 127112  90332 S   4,3   1,6   1:46.84 RDD Process
 21509 PDITA630   20   0 2458452 101884  62564 S   1,0   1,3   0:00.33 Isolated Servic
 21643 root       20   0       0      0      0 I   1,0   0,0   0:00.87 kworker/3:0-i915-unordered
   614 systemd+   20   0   17076   7424   6656 S   0,7   0,1   0:06.01 systemd-oomd
  3545 PDITA630   20   0  333264  49916  38400 S   0,7   0,6   0:22.91 Utility Process
   183 root       20   0       0      0      0 S   0,3   0,0   0:00.82 jbd2/sda4-8
   639 systemd+   20   0   22164  13312  10368 S   0,3   0,2   0:05.05 systemd-resolve
   717 message+   20   0   12208   7168   4352 S   0,3   0,1   0:02.86 dbus-daemon
   904 root       20   0  795508   6472      4 S   0,3   0,1   0:02.36 dcservice
  1840 PDITA630    9 -11  132936  16632   8120 S   0,3   0,2   0:06.50 pipewire
  1850 PDITA630    9 -11  143788  30700   7772 S   0,3   0,4   0:08.35 pipewire-pulse
  2177 PDITA630   20   0  236048   7808   7168 S   0,3   0,1   0:01.74 at-spi2-registr
  2238 PDITA630   20   0  460408  13120   7424 S   0,3   0,2   0:11.84 ibus-daemon
  2251 PDITA630   20   0  743212  30836  22840 S   0,3   0,4   0:01.02 gsd-media-keys
  2707 PDITA630   20   0 2079136 180524  93348 S   0,3   2,3   0:09.21 xdg-desktop-por
 14507 root        0 -20       0      0      0 D   0,3   0,0   0:08.15 kworker/u9:2+i915_flip
 16827 root        0 -20       0      0      0 D   0,3   0,0   0:08.04 kworker/u9:1+i915_flip
 16841 PDITA630   20   0  10,7g 240912 106788 S   0,3   3,0   2:31.60 Isolated Web Co
 17529 root       20   0       0      0      0 I   0,3   0,0   0:02.31 kworker/0:0-events
 21055 root       20   0       0      0      0 I   0,3   0,0   0:00.12 kworker/2:1-events
 21667 PDITA630   20   0   12044   5760   3584 R   0,3   0,1   0:00.11 top
     1 root       20   0  170976  14680   9048 S   0,0   0,2   0:04.67 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
    11 root        0 -20       0      0      0 I   0,0   0,0   0:00.00 mm_percpu_wq
    12 root       20   0       0      0      0 I   0,0   0,0   0:00.00 rcu_tasks_kthread
    13 root       20   0       0      0      0 I   0,0   0,0   0:00.00 rcu_tasks_rude_kthread
    14 root       20   0       0      0      0 I   0,0   0,0   0:00.00 rcu_tasks_trace_kthread
    15 root       20   0       0      0      0 S   0,0   0,0   0:00.39 ksoftirqd/0
    16 root       20   0       0      0      0 I   0,0   0,0   0:03.44 rcu_preempt
    17 root       rt   0       0      0      0 S   0,0   0,0   0:00.03 migration/0
```

INFORMAÇÕES EXIBIDAS:
PID: ID do processo.

USER: Usuário que iniciou o processo.
PR: Prioridade do processo.
NI: Valor de "nice" (afeta a prioridade do processo).
VIRT: Memória virtual usada pelo processo.
RES: Memória física usada pelo processo.
SHR: Memória compartilhada.
S: Status do processo (ex.: R para running, S para sleeping).
%CPU: Uso da CPU pelo processo.
%MEM: Uso de memória pelo processo.
TEMPO+: Tempo total de CPU usado pelo processo.
COMMAND: Comando que iniciou o processo.