

Aim : To implement all process management commands of UNIX

```
sushmit@SushmitEnvy: ~  
https://ubuntu.com/engage/secure-kubernetes-at-th  
This message is shown once a day. To disable it plea  
/home/sushmit/.hushlogin file.  
sushmit@SushmitEnvy:~$ firefox&  
[1] 504  
sushmit@SushmitEnvy:~$  
/doc /  
e host  
update  
s/doc-  
/var/l  
update  
p/2.0/  
/var/l  
update  
one bi  
update  
ript n  
snapd"  
update  
[Error: glibc_core::medias::ping] Invalid reason code active for ping usage rep  
ps 504  
PID TTY STAT TIME COMMAND  
504 pts/0 SL 0:22 /snap/firefox/5561/usr/lib/firefox/firefox  
sushmit@SushmitEnvy:~$  
PID TTY STAT TIME COMMAND  
504 pts/0 SL 0:22 /snap/firefox/5561/usr/lib/  
sushmit@SushmitEnvy:~$ kill 504  
sushmit@SushmitEnvy:~$ Exiting due to channel error.  
Exiting due to channel error.  
Exiting due to channel error.  
Exiting due to channel error.  
Exiting due to channel error.  
504 pts/0 SL 0:22 /snap/firefox/5561/usr/lib/firefox/fi  
sushmit@SushmitEnvy:~$ kill 504  
sushmit@SushmitEnvy:~$ Exiting due to channel error.  
Exiting due to channel error.  
Exiting due to channel error.  
Exiting due to channel error.  
Exiting due to channel error.  
[1]+ Terminated firefox  
sushmit@SushmitEnvy:~$
```

```
sushmit@SushmitEnvy:~$ ps
      PID TTY          TIME CMD
      376 pts/0        00:00:00 bash
     1088 pts/0        00:00:00 ps
sushmit@SushmitEnvy:~$
```

```
sushmit@SushmitEnvy:~$ pidof firefox
1449 1445 1441 1428 1345 1287 1281 1253 1105
sushmit@SushmitEnvy:~$
```

```
sushmit@SushmitEnvy:~$ fg 1
firefox
```

```
sushmit@SushmitEnvy: ~
top - 05:47:04 up 7 min, 1 user, load average: 0.52, 0.28, 0.13
Tasks: 43 total, 1 running, 42 sleeping, 0 stopped, 0 zombie
%Cpu(s):  0.2 us,  0.3 sy,  0.0 ni, 99.5 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
MiB Mem : 3831.9 total, 1815.7 free,  977.9 used, 1211.5 buff/cache
MiB Swap: 1024.0 total, 1024.0 free,   0.0 used. 2854.0 avail Mem

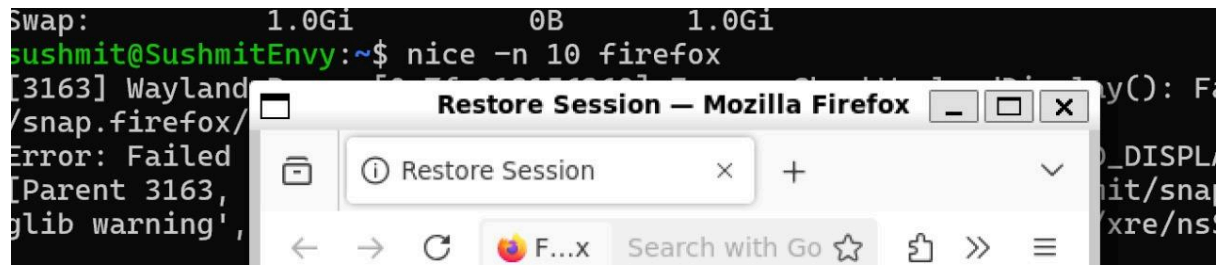
  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
  2086 sushmit    20   0 2844648 275276 140884 S   2.7   7.0   0:04.40 firefox
  2258 sushmit    20   0 2471616 118416  84676 S   1.7   3.0   0:00.83 Privileged Cont
    1 root       20   0  21708  12936  9604 S   0.0   0.3   0:00.96 systemd
    2 root       20   0   2616   1444  1320 S   0.0   0.0   0:00.01 init-systemd(Ub
    6 root       20   0   2616    132    132 S   0.0   0.0   0:00.00 init
   51 root      19  -1 668444 15912 14676 S   0.0   0.4   0:03.90 systemd-journal
   96 root       20   0   24596   6712  4880 S   0.0   0.2   0:00.23 systemd-udev
```

```
sushmit@SushmitEnvy:~$ jobs
[1]+  Running                  firefox &
sushmit@SushmitEnvy:~$
```

```
sushmit@SushmitEnvy:~$ pkill firefox
sushmit@SushmitEnvy:~$ Exiting due to channel error.
Exiting due to channel error.
Exiting due to channel error.
Exiting due to channel error.
Exiting due to channel error.

[1]+  Terminated              firefox
```

```
sushmit@SushmitEnvy:~$ free -h
               total        used        free      shared  buff/cache   available
Mem:           3.7Gi        692Mi        2.0Gi        4.1Mi        1.2Gi        3.1Gi
Swap:          1.0Gi           0B        1.0Gi
sushmit@SushmitEnvy:~$
```



```
sushmit@SushmitEnvy:~$ pgrep firefox
467
sushmit@SushmitEnvy:~$ |
```