# RHSA1 - Lab 4

1. List the user commands and redirect the output to /tmp/commands.list



2. Count the number of user commands
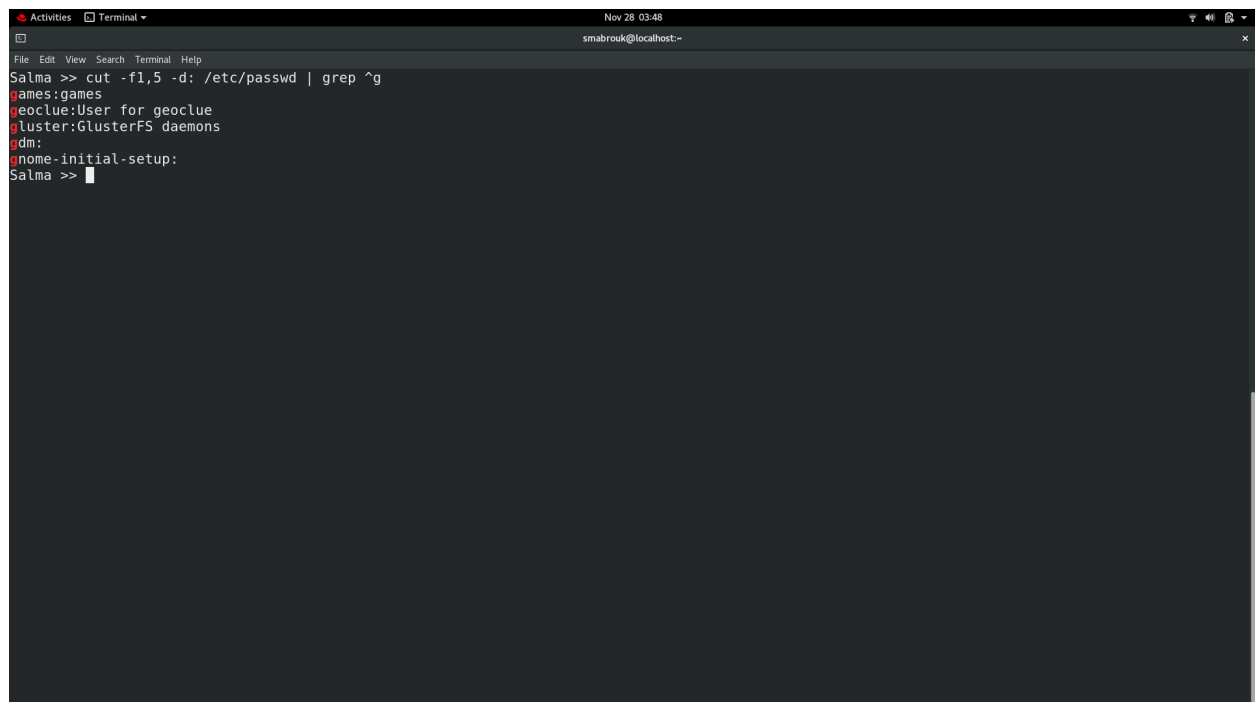
3. Get all the users names whose first character in their login is 'g'.
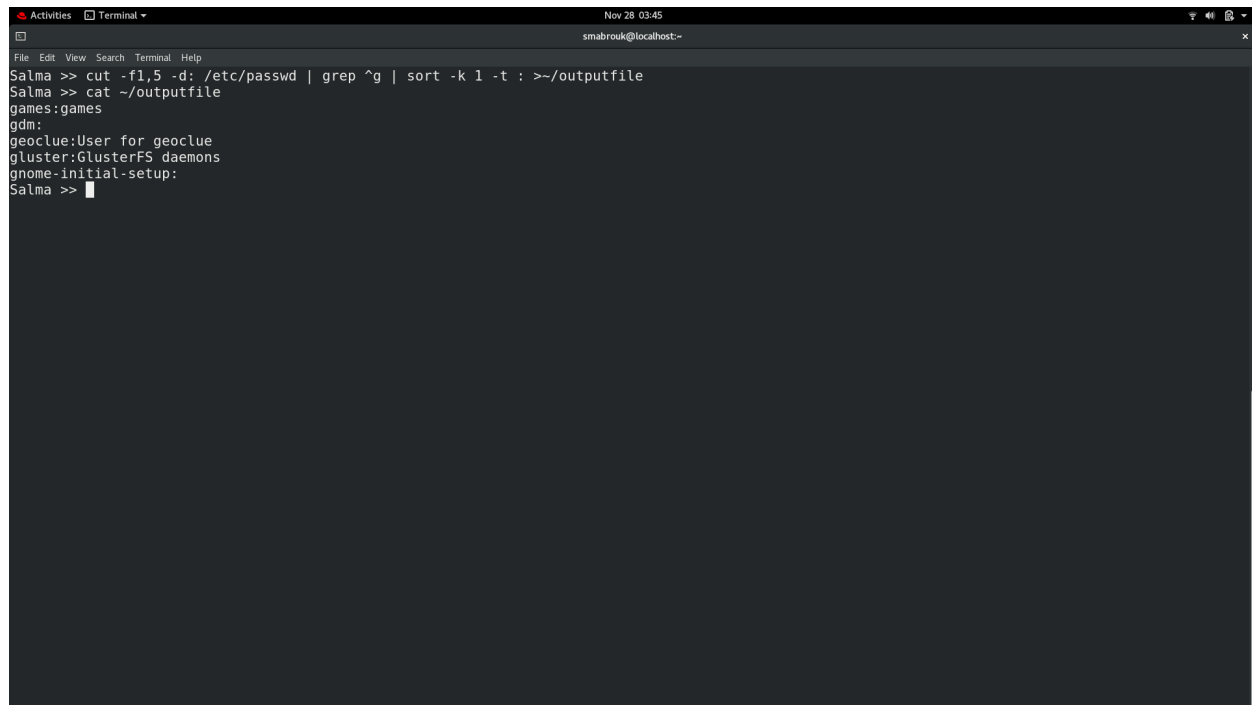


```
Salma >> cut -f1 -d: /etc/passwd | grep ^g
games
geoclue
gluster
gdm
gnome-initial-setup
Salma >>
```

4. Get the logins name and full names (comment) of logins starts with "g".



```
Salma >> cut -f1,5 -d: /etc/passwd | grep ^g
games:games
geoclue:User for geoclue
gluster:GlusterFS daemons
gdm:
gnome-initial-setup:
Salma >>
```

5. Save the output of the last command sorted by their full names in a file.

Salma >> cut -f1,5 -d: /etc/passwd | grep ^g | sort -k 1 -t : >~/outputfile
Salma >> cat ~/outputfile
games:games
gdm:
geoclue:User for geoclue
gluster:GlusterFS daemons
gnome-initial-setup:
Salma >>

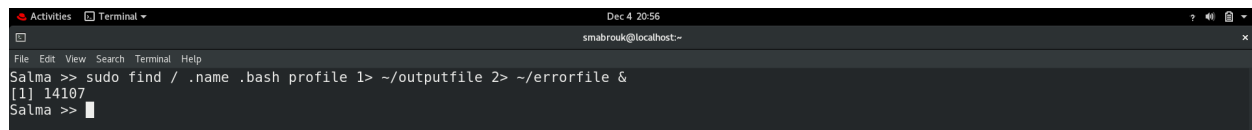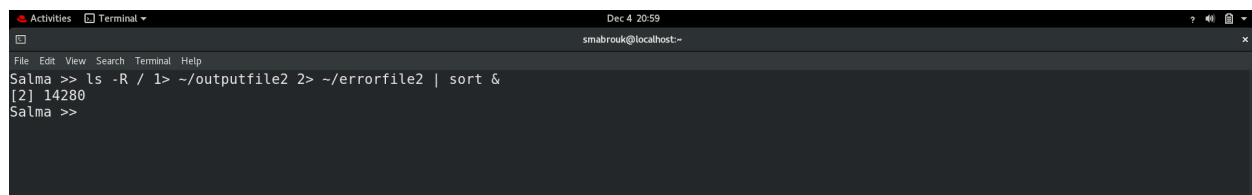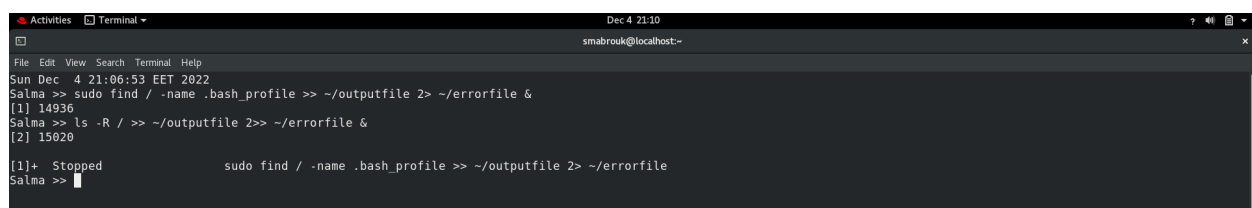6. Write two commands: first: to search for all files on the system that named .bash_profile.

Salma >> sudo find / .name .bash profile 1> ~/outputfile 2> ~/errorfile &
[1] 14107
Salma >>

Second: sorts the output of ls command on / recursively.

Salma >> ls -R / 1> ~/outputfile2 2> ~/errorfile2 | sort &
[2] 14280
Salma >>

Saving their output and error in 2 different files and sending them to the background.

Sun Dec  4 21:06:53 EET 2022
Salma >> sudo find / -name .bash_profile >> ~/outputfile 2> ~/errorfile &
[1] 14936
Salma >> ls -R / >> ~/outputfile 2>> ~/errorfile &
[2] 15020

[1]+ Stopped                 sudo find / -name .bash_profile >> ~/outputfile 2> ~/errorfile
Salma >>

7. Display the number of users who is logged now to the system.

```
Salma >> who
smabrouk tty2          2022-12-04 03:28 (tty2)
Salma >> who | wc -l
1
Salma >> who --count
smabrouk
# users=1
Salma >>
```

8. Display lines 7 to line 10 of /etc/passwd file

```
Salma >> head /etc/passwd | tail -4
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
Salma >>
```

9. What happens if you execute:

cat filename1 | cat filename2

```
Salma >> echo "HELLO" > filename1
Salma >> echo "WORLD" > filename2
Salma >> cat filename1 | cat filename2
WORLD
Salma >>
```

ls | rm

```
Salma >> ls | rm
rm: missing operand
Try 'rm --help' for more information.
Salma >>
```
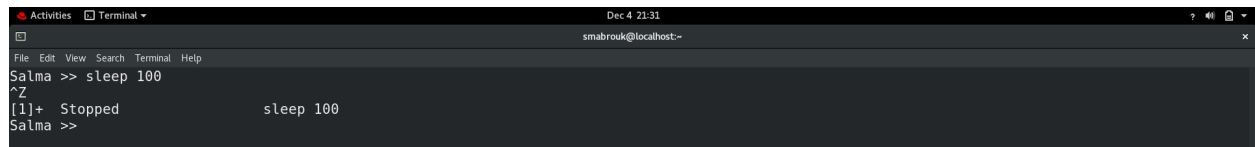
ls /etc/passwd | wc –l

```
Salma >> ls /etc/passwd | wc -l
1
Salma >>
```

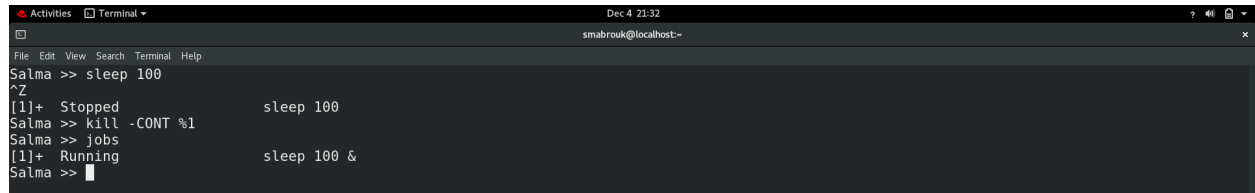10. Issue the command sleep 100.

```
Salma >> sleep 100
```

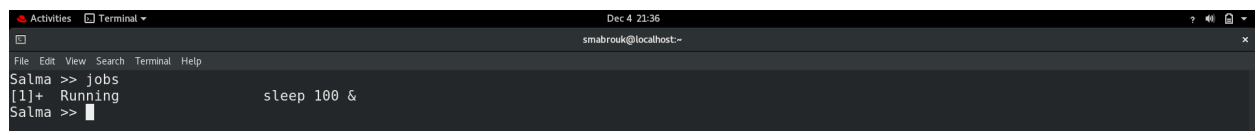11. Stop the last command.

```
Salma >> sleep 100
^Z
[1]+  Stopped                 sleep 100
Salma >>
```

12. Resume the last command in the background

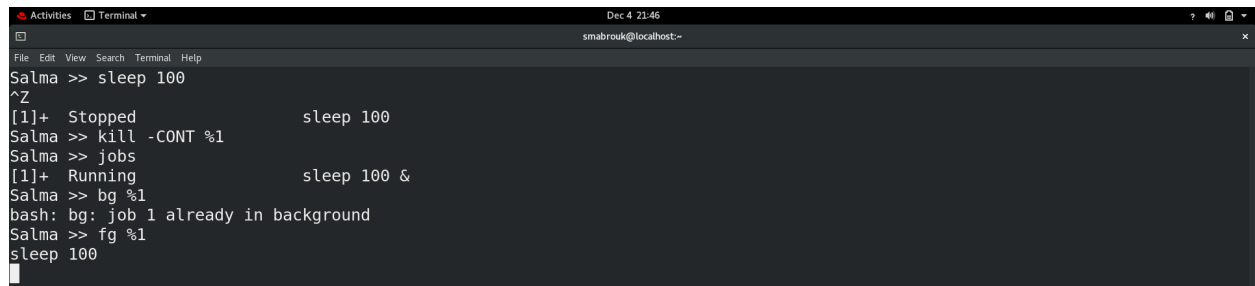```
Salma >> sleep 100
^Z
[1]+  Stopped                 sleep 100
Salma >> kill -CONT %1
Salma >> jobs
[1]+  Running                 sleep 100 &
Salma >>
```
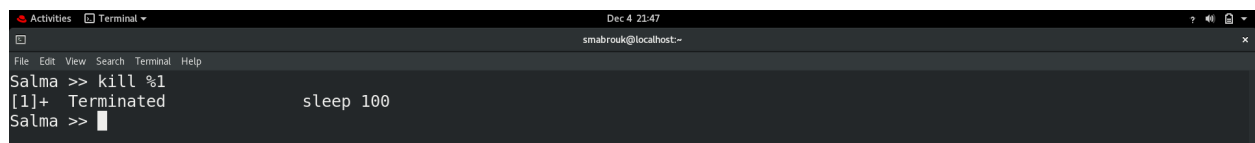
13. Issue the jobs command and see its output.

```
Salma >> jobs
[1]+  Running                 sleep 100 &
Salma >>
```

14. Send the sleep command to the foreground and send it again to the background.
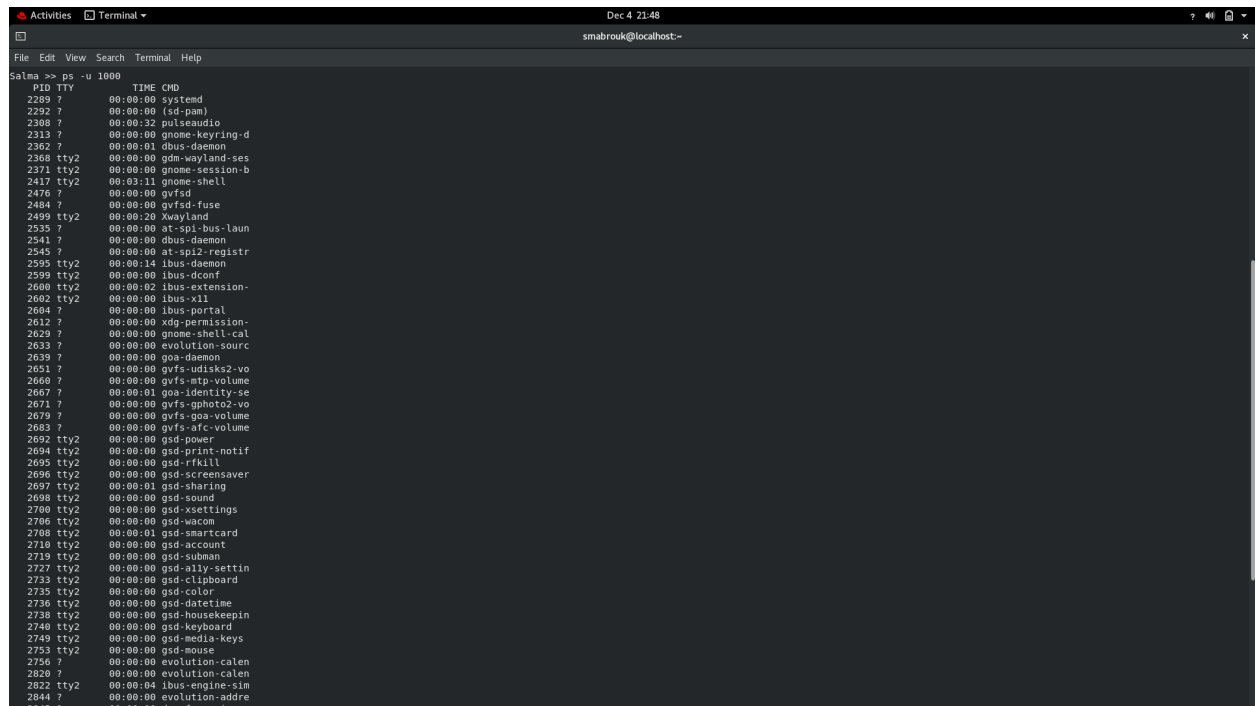
```
Salma >> sleep 100
^Z
[1]+  Stopped                 sleep 100
Salma >> kill -CONT %1
Salma >> jobs
[1]+  Running                 sleep 100 &
Salma >> bg %1
bash: bg: job 1 already in background
Salma >> fg %1
sleep 100
```
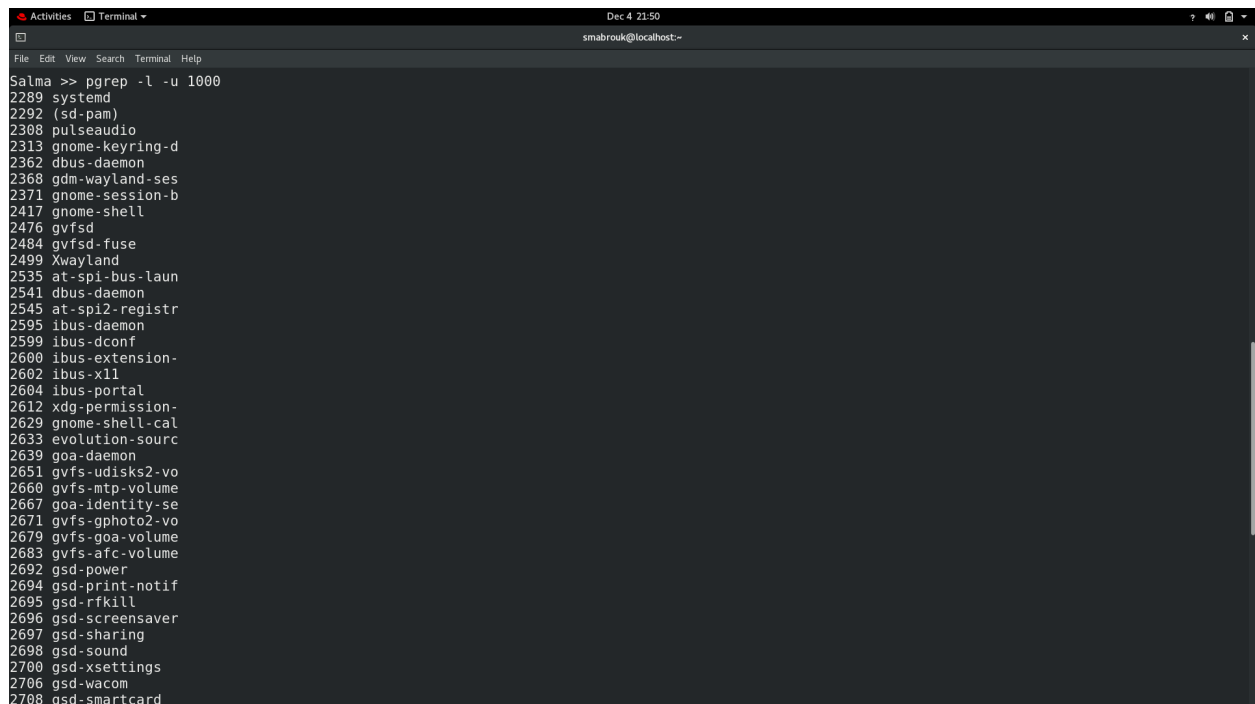
15. Kill the sleep command.

```
Salma >> kill %1
[1]+  Terminated              sleep 100
Salma >>
```
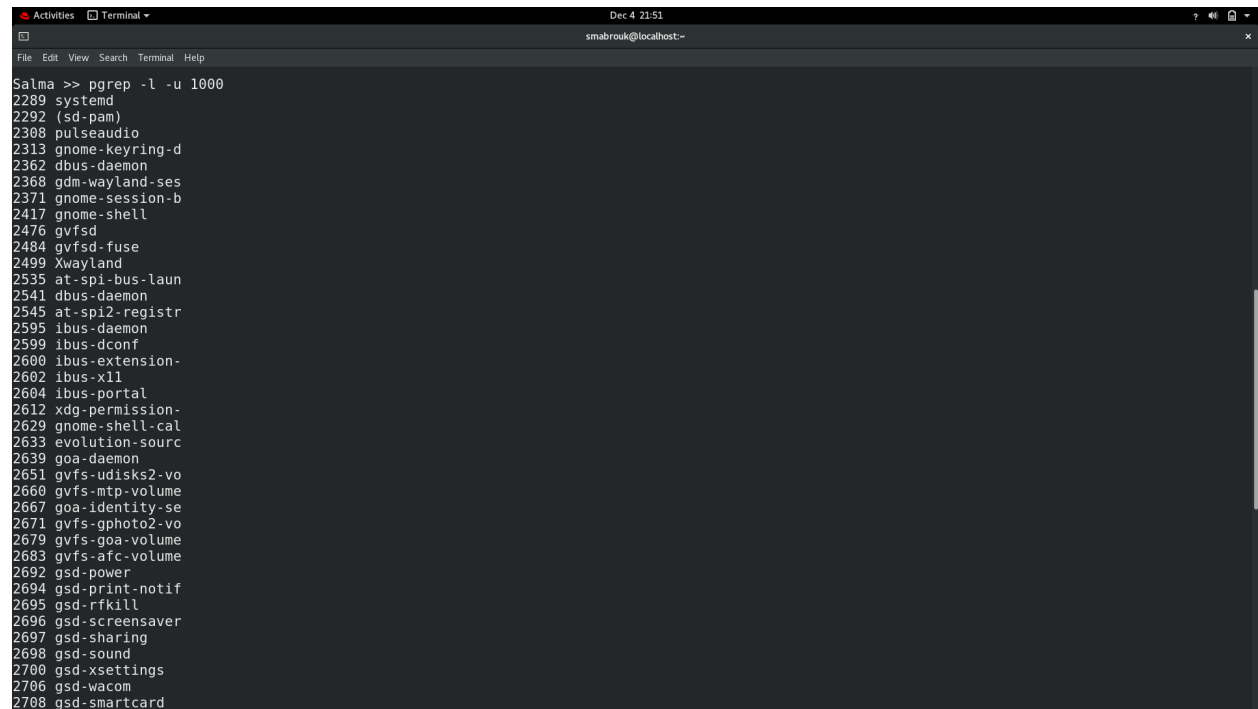
# 16.Display your processes only



# 17.Display all processes except yours

18. Use the pgrep command to list your processes only



```
Salma >> pgrep -l -u 1000
2289 systemd
2292 (sd-pam)
2308 pulseaudio
2313 gnome-keyring-d
2362 dbus-daemon
2368 gdm-wayland-ses
2371 gnome-session-b
2417 gnome-shell
2476 gvfsd
2484 gvfsd-fuse
2499 Xwayland
2535 at-spi-bus-laun
2541 dbus-daemon
2545 at-spi2-registr
2595 ibus-daemon
2599 ibus-dconf
2600 ibus-extension-
2602 ibus-x11
2604 ibus-portal
2612 xdg-permission-
2629 gnome-shell-cal
2633 evolution-sourc
2639 goa-daemon
2651 gvfs-udisks2-vo
2660 gvfs-mtp-volume
2667 goa-identity-se
2671 gvfs-gphoto2-vo
2679 gvfs-goa-volume
2683 gvfs-afc-volume
2692 gsd-power
2694 gsd-print-notif
2695 gsd-rfkill
2696 gsd-screensaver
2697 gsd-sharing
2698 gsd-sound
2700 gsd-xsettings
2706 gsd-wacom
2708 gsd-smartcard
```

19. Kill your processes only.

*Kill all -u 1000*