Linux lab4

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 List the user commands and redirect the output to /tmp/commands. [igaber@localhost ~]\$ history > /tmp/commands Correct

[igaber@localhost ~]\$ ls /usr/bin/ > /tmp/commands

```
| igaber@localhost ~]$ history > /tmp/commands
| igaber@localhost ~]$ |
```

Count the number of user commands
 [igaber@localhost ~]\$ history | wc -l
 Correct
 [igaber@localhost ~]\$ sudo wc -l /tmp/commands

```
| igaber@localhost ~]$ history > /tmp/commands
| igaber@localhost ~]$ history | wc -l
| igaber@localhost ~]$ |
```

3.

Start sleep with lower priority (30), then change it back to normal [igaber@localhost ~]\$ nice -n 1 0 sleep 100 & [1] 5129

[igaber@localhost ~]\$ renice 0 -p \$(pgrep sleep)

renice: failed to set priority for 5129 (process ID): Permission denied [igaber@localhost ~]\$ sudo renice 0 -p \$(pgrep sleep)

[sudo] password for igaber:

5129 (process ID) old priority 19, new priority 0

```
[igaber@localhost ~]$ nice -n 30 sleep 100 &
[1] 5129
[igaber@localhost ~]$ renice 0 -p $(pgrep sleep)
renice: failed to set priority for 5129 (process ID): Permission denied
[igaber@localhost ~]$ sudo renice 0 -p $(pgrep sleep)
[sudo] password for igaber:
5129 (process ID) old priority 19, new priority 0
[igaber@localhost ~]$
```

 Get its process ID in 2 ways [igaber@localhost ~]\$ pgrep sleep

[igaber@localhost ~]\$ ps -ef | grep sleep

Or

[igaber@localhost ~]\$ ps -aux | grep sleep



5. Issue the command sleep 100.[igaber@localhost ~]\$ sleep 100 &



6. Stop the last command.

[igaber@localhost ~]\$ kill -STOP \$(pgrep sleep)

 Resume the last command in the background [igaber@localhost ~]\$ kill -CONT %1 & Or bg

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[igaber@localhost -]$ kill -CONT %1 &
[1] 3586
bash: kill: %1: no such job
[1]+ Exit 1 kill -CONT %1
[igaber@localhost -]$ ■
```

 Issue the jobs command and see its output. [igaber@localhost ~]\$ sleep 60 & [1] 3621

[igaber@localhost ~]\$ jobs

[1]+ Running sleep 60 &

```
[igaber@localhost ~]$ sleep 60 &
[1] 3621
[igaber@localhost ~]$ jobs
[1]* Running sleep 60 &
[igaber@localhost ~]$
```

9. Send the sleep command to the foreground and send it again to the background.

[igaber@localhost ~]\$ fg %1 bash: fg: job has terminated [1]+ Done sleep 60 [igaber@localhost ~]\$ bg %1 bash: bg: %1: no such job or fg

bg

[igaber@localhost -]\$ fg %1
bash: fg: job has terminated
[1]+ Done
[igaber@localhost -]\$ bg %1
bash: bg: %1: no such job
[igaber@localhost -]\$

[igaber@localhost -]\$

10. Kill the sleep command.

[igaber@localhost ~]\$ kill %1

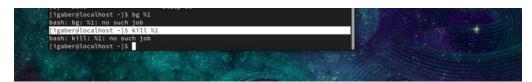
Or

[igaber@localhost ~]\$ sleep 1000&

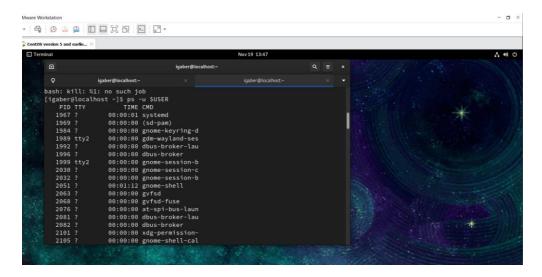
[1] 3422

[igaber@localhost ~]\$ kill %1

[1]+ Terminated sleep 1000



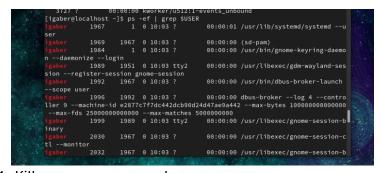
 Display your processes only [igaber@localhost ~]\$ ps -u \$USER



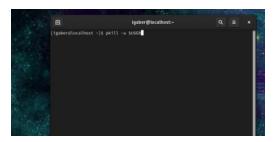
12. Display all processes except yours
 [igaber@localhost ~]\$ ps -U \$(id -u) -deselect
 Or
 [igaber@localhost ~]\$ ps aux |pgrep -v igaber

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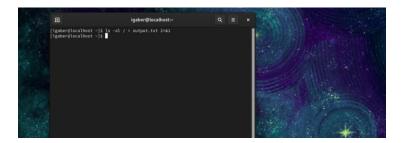
13. Use the grep command to list your processes only [igaber@localhost ~]\$ ps -ef | grep \$USER Or [igaber@localhost ~]\$ pgrep -l -u igaber



14. Kill your processes only. [igaber@localhost ~]\$ Pkill -u \$USER Or [igaber@localhost ~]\$ pkill -u igaber



15. Redirect the output and the error of the command: "Is -al/" to a file. [igaber@localhost \sim]\$ ls -al / > output.txt 2>&1



16.

A) cat filename1 | cat filename2

READ SECOND FILE

B) Is | rm

ERROR

The ls command outputs a list of files, which is not a valid input for the rm command.

C) Is /etc/passwd | wc -l

1