

LAB 5

note : I will start answering of the questions from 10 to 19 first then the questions from 1 to 9

10-issue the command sleep 100

```
zainab@zainab:~$ sleep 100
```

11-stop the last command

```
zainab@zainab:~$ sleep 100
^Z
[1]+  Stopped                  sleep 100
zainab@zainab:~$
```

12-resume the last command in bg

```
[1]+  Stopped                  sleep 100
zainab@zainab:~$ bg %1
[1]+  sleep 100 &
zainab@zainab:~$
```

13-issue the jobs command

```
[1]+  Stopped                  sleep 100
zainab@zainab:~$ jobs
[1]+  Running
zainab@zainab:~$
```

14-send the sleep command to fg and send it again to bg

15-
the

```
zainab@zainab:~$ sleep 100 &
[2] 3940
zainab@zainab:~$ fg %2
sleep 100
bg %2
^Z
[2]+  Stopped                  sleep 100
zainab@zainab:~$ bg %2
[2]+ sleep 100 &
[1] Done                      sleep 100
zainab@zainab:~$ jobs
[2]+ Done                      sleep 100
zainab@zainab:~$
```

kill
sleep

command

16-

```
zainab@zainab:~$ sleep 100 &
[1] 3984
zainab@zainab:~$ kill -STOP %1

[1]+  Stopped                  sleep 100
zainab@zainab:~$
```

display your processes only

```
zainab@zainab:~$ ps -u zainab
  PID TTY          TIME CMD
  904 ?            00:00:02 systemd
  905 ?            00:00:00 (sd-pam)
  963 ?            00:00:00 pipewire
  964 ?            00:00:00 pipewire-media-
  965 ?            00:00:00 pulseaudio
  977 ?            00:00:00 gnome-keyring-d
  985 tty2        00:00:00 gdm-wayland-ses
  987 ?            00:00:02 dbus-daemon
 1007 ?            00:00:00 gvfsd
 1008 tty2        00:00:00 gnome-session-b
```

17

17-display all processes accept yours

```
zainab@zainab:~$ ps -U zainab --deselect
```

PID	TTY	TIME	CMD
1	?	00:00:05	systemd
2	?	00:00:00	kthreadd
3	?	00:00:00	rcu_gp
4	?	00:00:00	rcu_par_gp
5	?	00:00:00	netns
10	?	00:00:00	rm -rf /tmp/*

18-use the grep command to list your processes only

```
zainab@zainab:~$ pgrep -u zainab
```

904
905
963
964
965
977
985
987
1007

19-kill your processes only

```
zainab@zainab:~$ killall -u zainab
```

1-

2-

3-get all the users names whose first character in their logins starts with “g”

```
zainab@zainab:~$ cat /etc/passwd|cut -d":" -f1 | egrep "^g"
games
gnats
geoclue
gnome-initial-setup
gdm
zainab@zainab:~$
```

4-get the logins names and full names of logins starts with “g”

```
zainab@zainab:~$ cat /etc/passwd|cut -d":" -f1,5 | egrep "^g"
games:games
gnats:Gnats Bug-Reporting System (admin)
geoclue:
gnome-initial-setup:
gdm:Gnome Display Manager
```

4-

5-save the output of the last command sorted by their full names in the file

```
zainab@zainab:~$ cat /etc/passwd|cut -d":" -f1,5 | egrep "^g"|sort -k2 -t:>fullName
zainab@zainab:~$ cat fullName
geoclue:
gnome-initial-setup:
games:games
gnats:Gnats Bug-Reporting System (admin)
gdm:Gnome Display Manager
zainab@zainab:~$
```

6-write two commands

7-display the numbers of users who is logged now to the system

```
zainab@zainab:~$ w
15:29:50 up 1:14, 1 user, load average: 0.27, 0.11, 0.10
USER      TTY      FROM          LOGIN@      IDLE        JCPU   PCPU   WHAT
zainab    tty2     tty2          14:16       1:13m      0.17s   0.15s  /usr/libexec/gn
zainab@zainab:~$ w | wc -l
3
zainab@zainab:~$
```

8-display lines 7 to line 10 of /etc/passwd file

```
zainab@zainab:~$ head -10 /etc/passwd | tail -4
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
zainab@zainab:~$
```

-

9-what happens if execute

a-cat filename1 | cat filename2

```
zainab@zainab:~$ vi fi
zainab@zainab:~$ vi f1
zainab@zainab:~$ cat fi
i love linux
i hate windows
zainab@zainab:~$ cat f1
i hate windows
zainab@zainab:~$ cat fi | cat f1
i hate windows
zainab@zainab:~$
```

the content of the sec file always appearing

b- ls | rm

will remove files and directories

c – ls *etcpasswd* | wc -l

```
zainab@zainab:~$ ls /etc/passwd
/etc/passwd
zainab@zainab:~$ ls /etc/passwd | wc -l
1
```