Lab 4 RHSA

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

```
[eslamyasser@eslam ~]$ ls /usr/bin > /tmp/commands.list
[eslamyasser@eslam ~]$
```

2. Count the number of user commands

```
[eslamyasser@eslam ~]$ wc -l /tmp/commands.list
2566 /tmp/commands.list
[eslamyasser@eslam ~]$
```

3. Get all the users names whose first character in their login is 'g'.

```
[eslamyasser@eslam ~]$ grep "^g" /etc/passwd |cut -d: -f1
games
geoclue
gluster
gdm
gnome-initial-setup
gamal
[eslamyasser@eslam ~]$
```

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

```
[eslamyasser@eslam ~]$ grep "^g" /etc/passwd |cut -d: -f1,5
games:games
geoclue:User for geoclue
gluster:GlusterFS daemons
gdm:GNOME Display Manager
gnome-initial-setup:
gamal:Gamal
gaby:Gabriel_martinli
[eslamyasser@eslam ~]$
```

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

```
[eslamyasser@eslam ~]$
[eslamyasser@eslam ~]$ sudo grep "^g" /etc/passwd |cut -d: -f1,5 | sort -k5 >fileSorted
[eslamyasser@eslam ~]$ cat fileSorted
gaby:Gabriel_martinli
gamal:Gamal
games:games
gdm:GNOME Display Manager
geoclue:User for geoclue
gluster:GlusterFS daemons
gnome-initial-setup:
[eslamyasser@eslam ~]$
```
and Lowercase

6. Write two commands: first: to search for all files on the system that named .bash_profile.
Second: sorts the output of ls command on / recursively, Saving their output and error in 2 different files and sending them to the background.

```
[eslamyasser@eslam ~]$ sudo find / -name ".bash_profile" | sort
find: '/run/user/1000/doc': Permission denied
find: '/run/user/1000/gvfs': Permission denied
/etc/skel/.bash_profile
/home/eslamyasser/.bash_profile
/home/gaby/.bash_profile
/home/gamal/.bash_profile
/home/Other_user/.bash_profile
/root/.bash_profile
[eslamyasser@eslam ~]$
```

```
/root/.bash_profile
[eslamyasser@eslam ~]$ sudo find / -name ".bash_profile" | sort > filename1, filename2 &
```

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

```
[eslamyasser@eslam ~]$ id | wc -l
1
[eslamyasser@eslam ~]$
```

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

```
[eslamyasser@eslam ~]$ more +7 -4 /etc/passwd
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
```

9. What happens if you execute:
   cat filename1 | cat filename2 ==nothing happens==
   ls | rm ==rm missing oprand==
   ls /etc/passwd | wc –l ==returns number of lines of $ ls /etc/passwd out==

```
[eslamyasser@eslam ~]$ touch fileone filetwo
[eslamyasser@eslam ~]$ cat fileone | cat filetwo
[eslamyasser@eslam ~]$
[eslamyasser@eslam ~]$ ls | rm
rm: missing operand
Try 'rm --help' for more information.
[eslamyasser@eslam ~]$ ls /etc/passwd | wc -l
1
```