بسم الله الرحمن الرحیم

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98411432

```
zare98411432@ubuntu:~$ last -4
zare9841 tty7            :0              Tue Oct 25 15:06    gone - no logout
reboot   system boot  4.15.0-112-gener Tue Oct 25 15:03    still running
zare9841 tty7            :0              Sat Oct 22 04:28 - down   (00:01)
reboot   system boot  4.15.0-112-gener Sat Oct 22 04:28 - 04:29  (00:01)

wtmp begins Sat Oct  1 05:53:21 2022
zare98411432@ubuntu:~$ last -4 |cut -d ' ' -f 1
zare9841
reboot
zare9841
reboot

wtmp
zare98411432@ubuntu:~$ last -4 |cut -d ' ' -f 1 | wc -c
38
```

```
zare98411432@ubuntu: ~
zare98411432@ubuntu:~$ sudo lastb -4 >> badlogins.txt
[sudo] password for zare98411432:
zare98411432@ubuntu:~$ wc -l badlogins.txt
9 badlogins.txt
zare98411432@ubuntu:~$ wc -w badlogins.txt
51 badlogins.txt
zare98411432@ubuntu:~$
```

```
zare98411432@ubuntu:~/Desktop$ cat >> q3_j.txt
salam chetooori pesar ?
khobi mard ?
az daneshgah chekhabar
che darsaii dari ?
omidvar  bash hamishe.
zare98411432@ubuntu:~/Desktop$ read
2
zare98411432@ubuntu:~/Desktop$                    -f $REPLY q3_j.txt
cut .txt: No such file or directory
            tu:~/Desktop$ cut -d ' ' -f $REPLY q3_j.txt
chetooori
mard
daneshgah
darsaii
```

```
zare98411432@ubuntu:~$ hostname
ubuntu
zare98411432@ubuntu:~$ sudo hostname erfani
zare98411432@ubuntu:~$ hostname
erfani
```

```
zare98411432@ubuntu:~$ last -n 5 | cut -d ':' -f 2-
0              Tue Oct 25 15:27    gone - no logout
27    still running
0              Tue Oct 25 15:06 - crash  (00:20)
03    still running
0              Sat Oct 22 04:28 - down   (00:01)

53:21 2022
```