Using awk utility

1- Print full name (comment) of all users in the system.

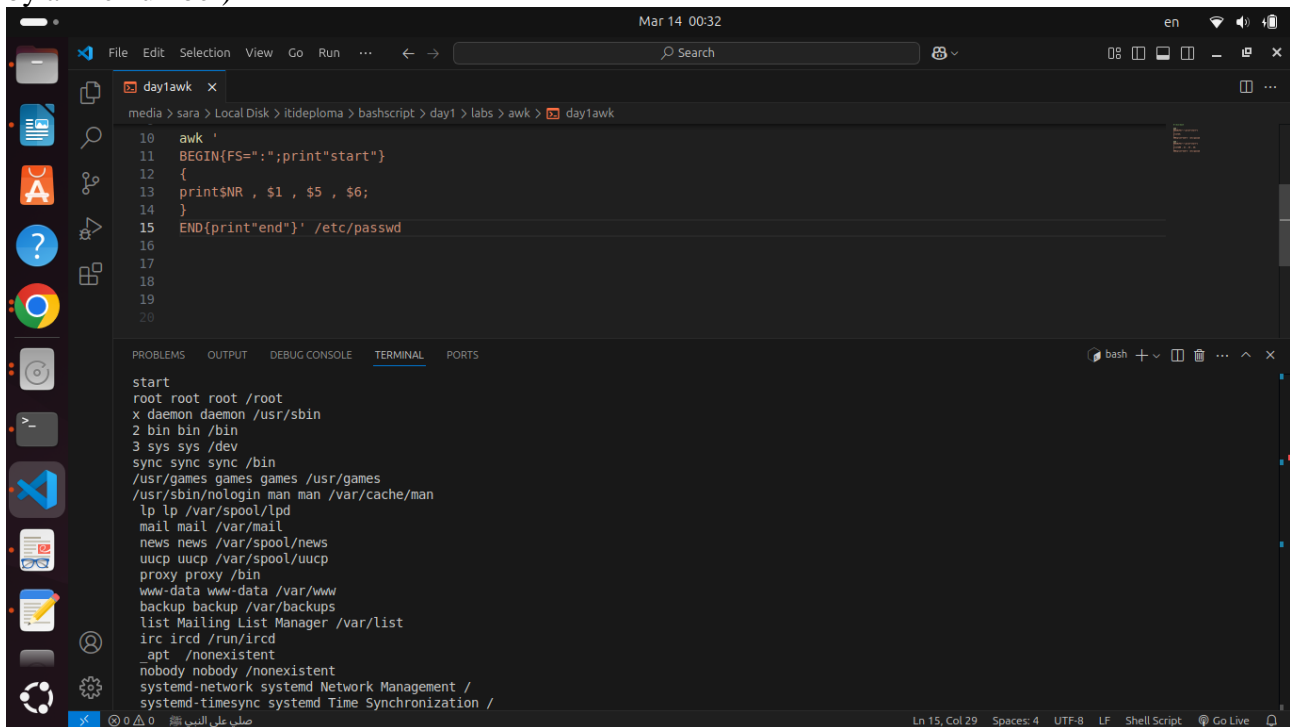
2- Print login, full name (comment) and home directory of all users.(Print each line preceded by a line number)

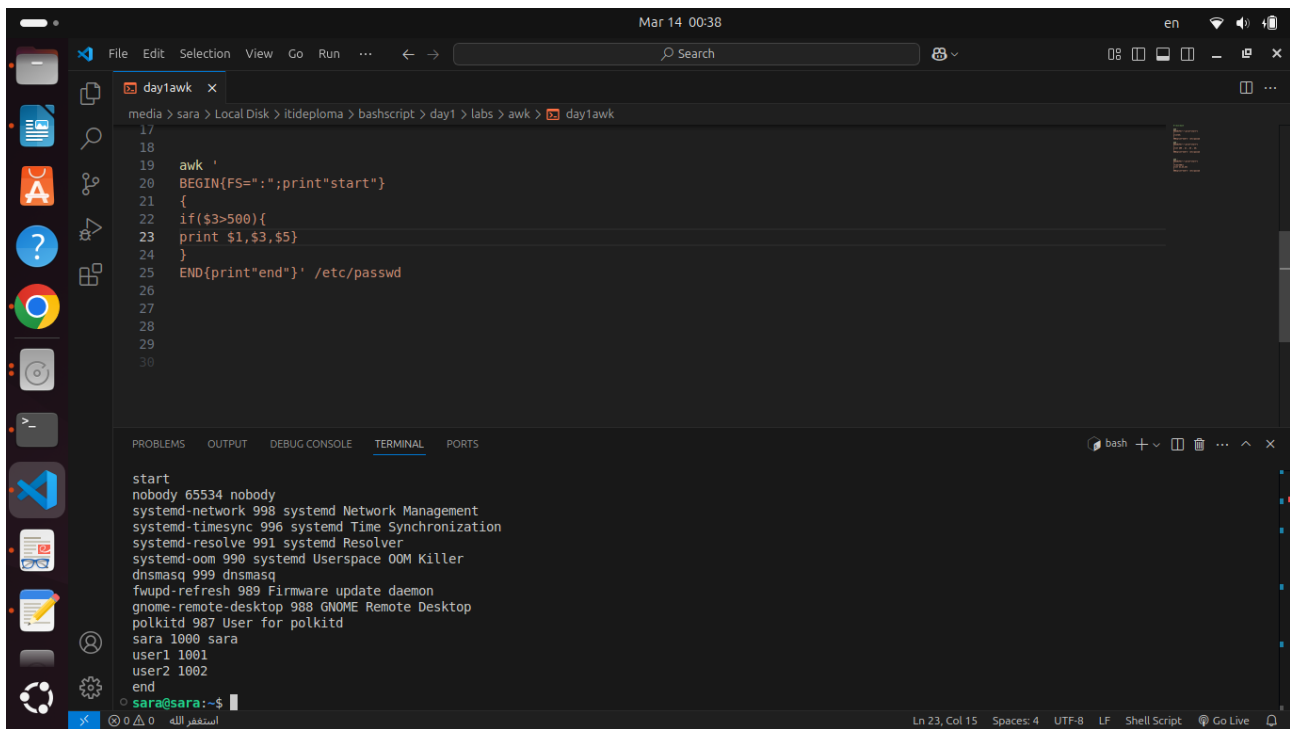3- Print login, uid and full name (comment) of those uid is greater than 500
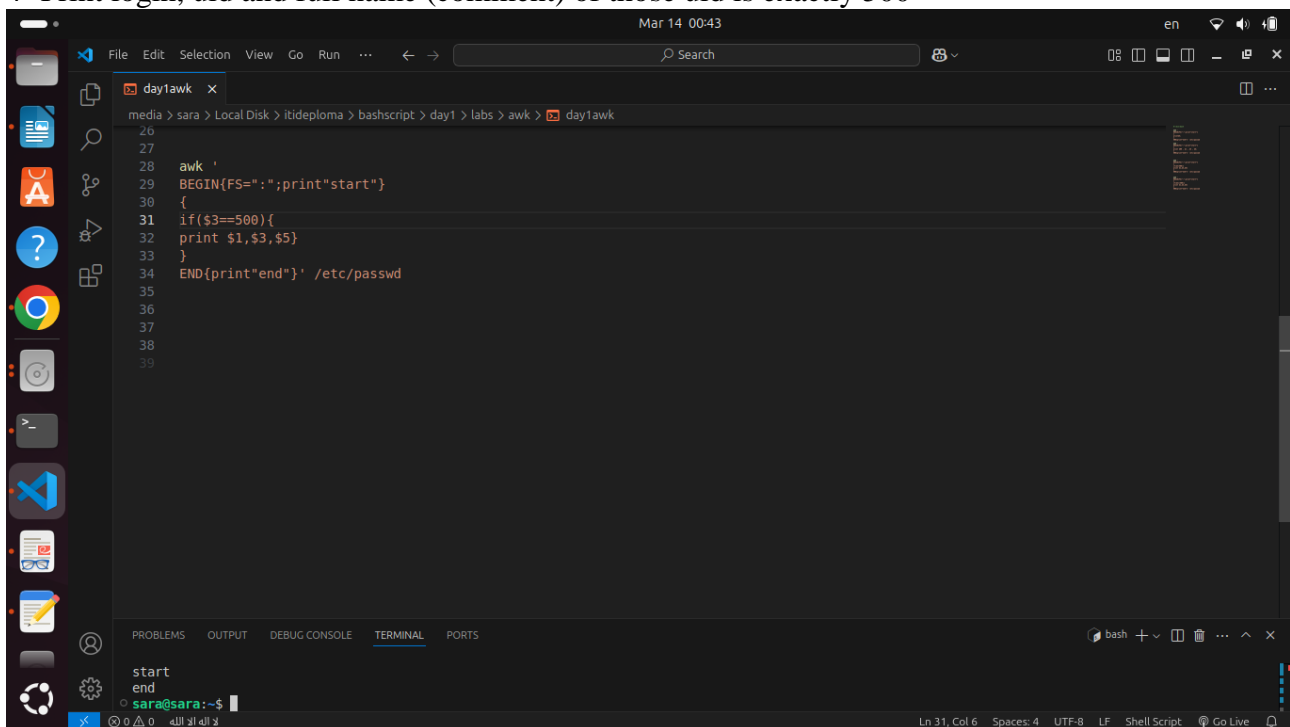
```
17
18
19    awk '
20    BEGIN{FS=":";print"start"}
21    {
22    if($3>500){
23    print $1,$3,$5}
24    }
25    END{print"end"}' /etc/passwd
26
27
28
29
30
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
start
nobody 65534 nobody
systemd-network 998 systemd Network Management
systemd-timesync 996 systemd Time Synchronization
systemd-resolve 991 systemd Resolver
systemd-oom 990 systemd Userspace OOM Killer
dnsmasq 999 dnsmasq
fwupd-refresh 989 Firmware update daemon
gnome-remote-desktop 988 GNOME Remote Desktop
polkitd 987 User for polkitd
sara 1000 sara
user1 1001
user2 1002
end
sara@sara:~$
```

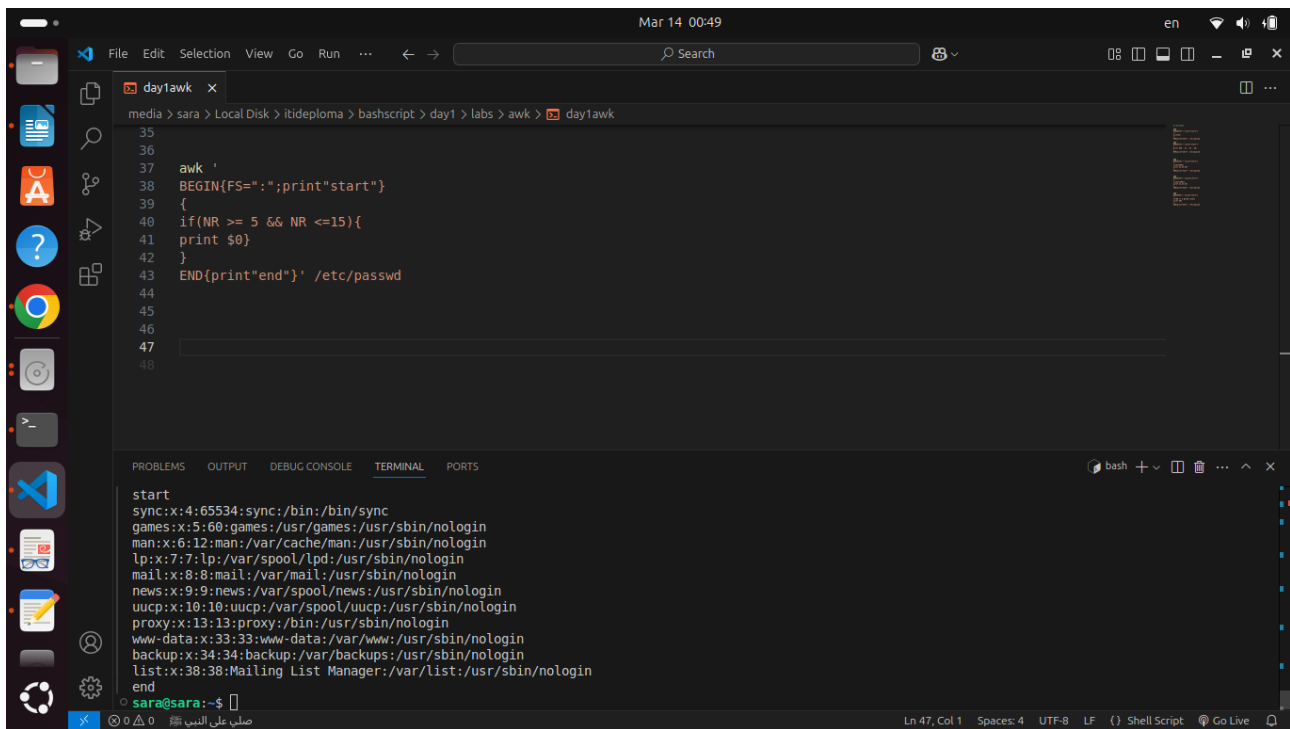4- Print login, uid and full name (comment) of those uid is exactly 500

```
26
27
28    awk '
29    BEGIN{FS=":";print"start"}
30    {
31    if($3==500){
32    print $1,$3,$5}
33    }
34    END{print"end"}' /etc/passwd
35
36
37
38
39
```
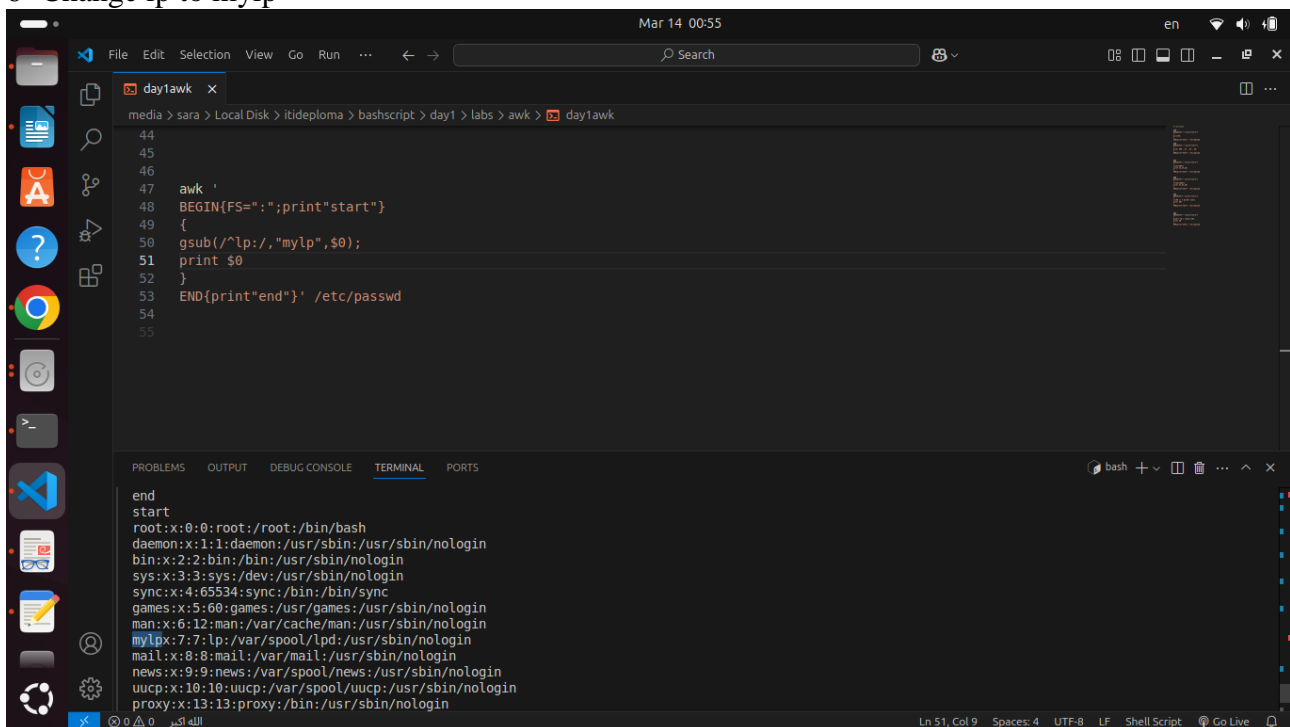
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
start
end
sara@sara:~$
```

5- Print line from 5 to 15 from /etc/passwd

6- Change lp to mylp

7- Print all information about greatest uid.

```
56
57    awk '
58    BEGIN{FS=":";print"start"}
59    {
60    if($3>max){
61    max=$3;
62    maxline=$0;
63    }
64    }
65
66    END{
67    print maxline
68    print"end"}' /etc/passwd
```

```
start
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
end
sara@sara:~$
```

8- Get the sum of all accounts id's.

```
70
71
72    awk '
73    BEGIN{FS=":";print"start"}
74    {
75
76    sum+=$3
77    }
78
79    END{
80    print sum
81    print"end"}' /etc/passwd
```

```
start
79160
end
sara@sara:~$
```