

## Bonus

1. Get the sum of accounts id's that has the same group.

```
awk -F: 'BEGIN{print("group ID \t \t number of members")}{dect[$4]  
[$1]=$0}END{for(key in dect){count=0;for(subKey in dect[key]){count+  
+};print(key," \t \t \t \t",count)}}' /etc/passwd
```

```
File Edit View Search Terminal Help

[magedKh ~]awk -F: 'BEGIN{print("group ID \t \t number of members")}{dect[$4][$1]=$0}END{for(key in dect){count=0;for(subKey in dect[key]){count++;print(key," \t \t \t \t",  
count)}}}' /etc/passwd
group ID          number of members
992               1
993               1
994               1
65534             1
113               1
995               1
998               1
171               1
172               1
173               1
12                1
1000              1
192               1
32                1
50                1
38                1
0                 5
1                 1
70                1
2                 1
72                1
59                1
4                 1
74                1
75                1
7                 1
76                1
100               1
982               1
983               1
99                1
984               1
985               1
987               1
988               1
107               1
42                1
29                1
81                1
89                1
[magedKh ~]
```

## 2. Make the following report: User-Group Report

-----  
Group1 Name:

User1

User2

Group2 Name:

User3

User4

- 
- 
- 
- 

```
awk -F: 'BEGIN{print("\n\nUser Group Report:
\n-----");groupCount=1}{dect[$4]
[$1]=$1;groupName[$3]=$1}END{for(key in dect)
{print("\nGroup"groupCount,"Name:",groupName[key],"With
ID=",key);groupCount++;for(subKey in dect[key]){print(dect[key]
[subKey])}}}' /etc/passwd
```

```
File Edit View Search Terminal Tabs Help
maged_khaled@localhost:~
Sun Aug 20 17:31:01 EEST 2023
[magedkh -]awk -F: 'BEGIN{print("\n\nUser Group Report: \n-----");groupCount=1}{dect[$4]=$1;groupName[$3]=$1}END{for(key in dect){print("\nGroup"groupCount,"Name:",groupName[key],"With ID=",key);groupCount++;for(subKey in dect[key]){print(dect[key][subKey])}}}' /etc/passwd

User Group Report:
-----
Group1 Name: unbound With ID= 992
gluster

Group2 Name: chrony With ID= 993
saned

Group3 Name: saslauth With ID= 994
colord

Group4 Name: nfsnobody With ID= 65534
nfsnobody

Group5 Name: usbmuxd With ID= 113
usbmuxd

Group6 Name: gluster With ID= 995
libstoragemgmt

Group7 Name: libstoragemgmt With ID= 998
polkitd

Group8 Name: pulse With ID= 171
pulse

Group9 Name: rtkit With ID= 172
rtkit

Group10 Name: abrt With ID= 173
abrt

Group11 Name: games With ID= 12
mail

Group12 Name: maged_khaled With ID= 1000
maged_khaled

Group13 Name: systemd-network With ID= 192
systemd-network

Group14 Name: rpc With ID= 32
rpc

Group15 Name: With ID= 50
ftp

Group16 Name: ntp With ID= 38
ntp
```

```
File Edit View Search Terminal Tabs Help
maged_khaled@localhost:~ x maged_khaled@localhost:~ x [icon] v
ntp
Group17 Name: root With ID= 0
shutdown
halt
operator
sync
root
Group18 Name: bin With ID= 1
bin
Group19 Name: avahi With ID= 70
avahi
Group20 Name: daemon With ID= 2
daemon
Group21 Name: tcpdump With ID= 72
tcpdump
Group22 Name: tss With ID= 59
tss
Group23 Name: lp With ID= 4
adm
Group24 Name: sshd With ID= 74
sshd
Group25 Name: radvd With ID= 75
radvd
Group26 Name: halt With ID= 7
lp
Group27 Name: With ID= 76
saslauth
Group28 Name: With ID= 100
games
Group29 Name: With ID= 982
gnome-initial-setup
Group30 Name: With ID= 983
setroubleshoot
Group31 Name: nobody With ID= 99
nobody
Group32 Name: With ID= 984
sssd
Group33 Name: With ID= 985
geoclue
```

```
File Edit View Search Terminal Tabs Help
maged_khaled@localhost:~ x maged_khaled@localhost:~ x [icon] v
tss
Group23 Name: lp With ID= 4
adm
Group24 Name: sshd With ID= 74
sshd
Group25 Name: radvd With ID= 75
radvd
Group26 Name: halt With ID= 7
lp
Group27 Name: With ID= 76
saslauth
Group28 Name: With ID= 100
games
Group29 Name: With ID= 982
gnome-initial-setup
Group30 Name: With ID= 983
setroubleshoot
Group31 Name: nobody With ID= 99
nobody
Group32 Name: With ID= 984
sssd
Group33 Name: With ID= 985
geoclue
Group34 Name: With ID= 987
unbound
Group35 Name: gnome-initial-setup With ID= 988
chrony
Group36 Name: qemu With ID= 107
qemu
Group37 Name: gdm With ID= 42
gdm
Group38 Name: rpcuser With ID= 29
rpcuser
Group39 Name: dbus With ID= 81
dbus
Group40 Name: postfix With ID= 89
postfix
[magedKh ~]
```