

1. Create a user account with the following attribute

❏ username: islam

❏ Fullname/comment: Islam Askar

❏ Password: islam

```
/home/MostafaSalama
MostafaSalama@localhost ~]$ pwd
/home/MostafaSalama
MostafaSalama@localhost ~]$ useradd -p islam -c "islam" islam
useradd: Permission denied.
useradd: cannot lock /etc/passwd; try again later.
MostafaSalama@localhost ~]$ sudo useradd -p islam -c "islam asker" islam

We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:

    #1) Respect the privacy of others.
    #2) Think before you type.
```

2. Create a user account with the following attribute

❏ Username: baduser

❏ Full name/comment: Bad User

❏ Password: baduser

```
[sudo] password for MostafaSalama:
[sudo] password for MostafaSalama:
Sorry, try again.
[sudo] password for MostafaSalama:
MostafaSalama@localhost ~]$ sudo useradd -p baduser -c "Bad User" baduser
MostafaSalama@localhost ~]$ sudo -G --gid 3000 pgroup
sudo: invalid option -- 'G'
usage: sudo -h | -K | -k | -V
usage: sudo -v [-AknS] [-g group] [-h host] [-p prompt] [-u user]
```

3. Create a supplementary (Secondary) group called pgroup with group ID of 30000

```
create a user account
-R, --root CHROOT_DIR      directory to chroot into
-P, --prefix PREFIX_DIR    directory prefix

MostafaSalama@localhost ~]$ sudo usermod -G pgroup islam
usermod: group 'pgroup' does not exist
MostafaSalama@localhost ~]$ sudo groupadd --gid 3000 pgroup
MostafaSalama@localhost ~]$ sudo usermod -G pgroup islam
MostafaSalama@localhost ~]$ sudo groupadd --gid 3001 badgroup
MostafaSalama@localhost ~]$ sudo usermod -p password islam
MostafaSalama@localhost ~]$
```

4. Create a supplementary group called badgroup

```
usermod: group 'pgroup' does not exist
MostafaSalama@localhost ~]$ sudo groupadd --gid 3000 pgroup
MostafaSalama@localhost ~]$ sudo usermod -G pgroup islam
MostafaSalama@localhost ~]$ sudo groupadd --gid 3001 badgroup
MostafaSalama@localhost ~]$ sudo usermod -p password islam
MostafaSalama@localhost ~]$
```

5. Add islam user to the pgroup group as a supplementary group

```
-p, --password PASSWORD    use this encrypted password for the new group
-r, --system                create a system account
-R, --root CHROOT_DIR      directory to chroot into
-P, --prefix PREFIX_DIR    directory prefix

MostafaSalama@localhost ~]$ sudo usermod -G pgroup islam
usermod: group 'pgroup' does not exist
MostafaSalama@localhost ~]$ sudo groupadd --gid 3000 pgroup
MostafaSalama@localhost ~]$ sudo usermod -G pgroup islam
MostafaSalama@localhost ~]$ sudo groupadd --gid 3001 badgroup
MostafaSalama@localhost ~]$ sudo usermod -p password islam
MostafaSalama@localhost ~]$
```

6. Modify the password of islam's account to password

```
MostafaSalama@localhost ~]$ sudo usermod -G pgroup islam
usermod: group 'pgroup' does not exist
MostafaSalama@localhost ~]$ sudo groupadd --gid 3000 pgroup
MostafaSalama@localhost ~]$ sudo usermod -G pgroup islam
MostafaSalama@localhost ~]$ sudo groupadd --gid 3001 badgroup
MostafaSalama@localhost ~]$ sudo usermod -p password islam
MostafaSalama@localhost ~]$ sudo usermod
```

7. Modify islam's account so the password expires after 30 days

```
Activities Terminal Nov 22 23:34
MostafaSalama@localhost:~$ sudo chage -l islam
[sudo] password for MostafaSalama:
Last password change          : Nov 22, 2022
Password expires               : never
Password inactive              : never
Account expires                : never
Minimum number of days between password change : 0
Maximum number of days between password change : 99999
Number of days of warning before password expires : 7
MostafaSalama@localhost ~$ sudo chage -M 30 islam
MostafaSalama@localhost ~$ sudo chage -l islam
Last password change          : Nov 22, 2022
Password expires               : Dec 22, 2022
Password inactive              : never
Account expires                : never
Minimum number of days between password change : 0
Maximum number of days between password change : 30
Number of days of warning before password expires : 7
MostafaSalama@localhost ~$
```

8. Lock bad user account so he can't log in

```
MostafaSalama@localhost ~$ sudo usermod -L baduser
[sudo] password for MostafaSalama:
MostafaSalama@localhost ~$ sudo passwd --status baduser
baduser LK 2022-11-22 0 99999 7 -1 (Password locked.)
MostafaSalama@localhost ~$
```

9. Delete bad user account

```
MostafaSalama@localhost ~$ sudo userdel baduser
[sudo] password for MostafaSalama:
MostafaSalama@localhost ~$ sudo passwd --status baduser
baduser LK 2022-11-22 0 99999 7 -1 (Password locked.)
MostafaSalama@localhost ~$ sudo userdel baduser
MostafaSalama@localhost ~$ less /etc/passwd
MostafaSalama@localhost ~$
```

10. Delete the supplementary group called badgroup.

```
MostafaSalama@localhost ~$ sudo groupdel badgroup
MostafaSalama@localhost ~$ less /etc/passwd
MostafaSalama@localhost ~$ sudo groupdel badgroup
MostafaSalama@localhost ~$ getent group
root:x:0:
bin:x:1:
daemon:x:2:
sys:x:3:
adm:x:4:
tty:x:5:
disk:x:6:
lp:x:7:
mem:x:8:
kmem:x:9:
wheel:x:10:MostafaSalama
```