1. Create a user account with the following attribute
   - username: islam
   - Fullname/comment: Islam Askar
   - Password: islam

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ sudo adduser islam
[sudo] password for ahmed:
Adding user `islam' ...
Adding new group `islam' (1001) ...
Adding new user `islam' (1001) with group `islam' ...
Creating home directory `/home/islam' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for islam
Enter the new value, or press ENTER for the default
        Full Name []: islam askar
        Room Number []: 1
        Work Phone []: 01028867901
        Home Phone []: 0242189556
        Other []:
Is the information correct? [Y/n] y
```

2. Create a user account with the following attribute
   - Username: baduser
   - Full name/comment: Bad User
   - Password: baduser

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ sudo adduser baduser
Adding user `baduser' ...
Adding new group `baduser' (1002) ...
Adding new user `baduser' (1002) with group `baduser' ...
Creating home directory `/home/baduser' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for baduser
Enter the new value, or press ENTER for the default
        Full Name []: Bad User
        Room Number []: 2
        Work Phone []: 01125661748
        Home Phone []: 024219441
        Other []:
Is the information correct? [Y/n] y
```

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

```
is the information correct? [Y/n] y
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ sudo groupadd -g 30000 pgroup
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ grep pgroup /etc/group
pgroup:x:30000:
```

4. Create a supplementary group called badgroup

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ sudo groupadd badgroup
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ grep badgroup /etc/group
badgroup:x:30001:
```

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

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ sudo usermod -a -G pgroup islam
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ groups islam
islam : islam pgroup
```

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

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ sudo passwd islam
New password:
Retype new password:
passwd: password updated successfully
```

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

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ sudo chage -M 30 islam
```

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

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ sudo usermod -L baduser
```