Lab 02 – Linux
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1. Create a user account with the following attribute

   - o username: islam
   - o Fullname/comment: Islam Askar
   - o Password: islam

```
sharaf@sharaf:~$ sudo useradd -c "Islam Askar" islam
sharaf@sharaf:~$ sudo passwd islam
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
sharaf@sharaf:~$ tail -n1 /etc/passwd
islam:x:1001:1001:Islam Askar:/home/islam:/bin/sh
sharaf@sharaf:~$
```

2. Create a user account with the following attribute

   - Username: baduser
   - Full name/comment: Bad User
   - Password: baduser

```
sharaf@sharaf:~$ sudo useradd -c "Bad User" baduser
sharaf@sharaf:~$ sudo passwd baduser
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
sharaf@sharaf:~$ tail -n1 /etc/passwd
baduser:x:1002:1002:Bad User:/home/baduser:/bin/sh
sharaf@sharaf:~$
```

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

```
sharaf@sharaf:~$ sudo groupadd -g 30000 pgroup
sharaf@sharaf:~$ tail -n1 /etc/group
pgroup:x:30000:
sharaf@sharaf:~$
```

4. Create a supplementary group called badgroup

```
sharaf@sharaf:~$ sudo groupadd badgroup
sharaf@sharaf:~$ tail -n1 /etc/group
badgroup:x:30001:
sharaf@sharaf:~$
```

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

```
sharaf@sharaf:~$ sudo usermod -aG pgroup islam
sharaf@sharaf:~$ tail -n2 /etc/group
pgroup:x:30000:islam
```

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

```
sharaf@sharaf:~$ sudo passwd islam
New password:
BAD PASSWORD: The password fails the dictionary check - it is based on a dictionary word
Retype new password:
passwd: password updated successfully
sharaf@sharaf:~$
```

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

```
sharaf@sharaf:~$ sudo chage -l islam
Last password change                                    : Nov 02, 2025
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
sharaf@sharaf:~$ sudo chage -M 30 islam
sharaf@sharaf:~$ sudo chage -l islam
Last password change                                    : Nov 02, 2025
Password expires                                        : Dec 02, 2025
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
sharaf@sharaf:~$
```

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

```
sharaf@sharaf:~$ sudo usermod -L baduser
sharaf@sharaf:~$ sudo tail -n2 /etc/shadow
baduser:!$y$j9T$/0uCpVICE6ubt5KVp5WcU.$FOW.NY.m30WPzPyYROXAXBy.QZk0Z8tebBHWIwhyjA0:20394:
islam:!:20394:0:30:7:::
sharaf@sharaf:~$
```

9. Delete bad user account

```
sharaf@sharaf:~$ sudo userdel -r baduser
userdel: baduser mail spool (/var/mail/baduser) not found
userdel: baduser home directory (/home/baduser) not found
sharaf@sharaf:~$
```

10. Delete the supplementary group called badgroup.

```
sharaf@sharaf:~$ sudo groupdel badgroup
sharaf@sharaf:~$
```