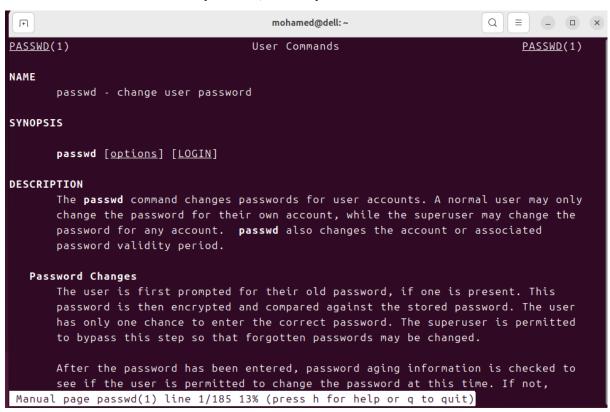
Complete Lab1 and Lab2

Q8. List Linux commands in /usr/bin that start with letter w

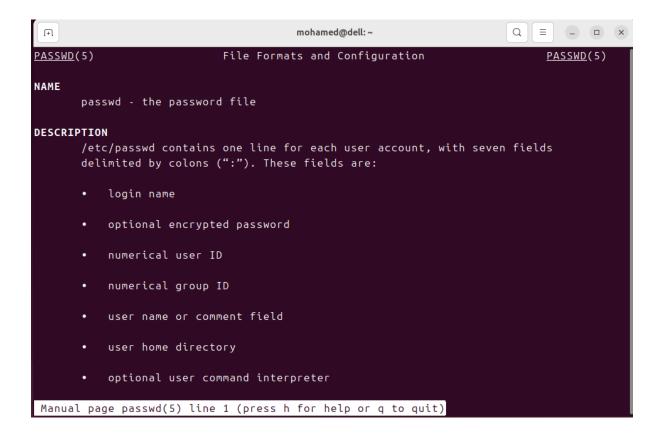


Q11. Display the man pages of passwd the command and the file sequentially in one command

Use this command > man 1 passwd; man 5 passwd



Q12. Display the man page of the passwd file.



13. Display a list of all the commands that contain the keyword passwd in their man

```
F
                                                                                Q = - - x
                                           mohamed@dell: ~
mohamed@dell:~$ man -k passwd
chgpasswd (8)
                    - update group passwords in batch mode
chpasswd (8)
                    - update passwords in batch mode
fgetpwent_r (3)
                   - get passwd file entry reentrantly
getpwent_r (3)
                   - get passwd file entry reentrantly
gpasswd (1)
                    - administer /etc/group and /etc/gshadow
grub-mkpasswd-pbkdf2 (1) - generate hashed password for GRUB
ldappasswd (1)
                    - change the password of an LDAP entry
openssl-passwd (1ssl) - compute password hashes
pam_localuser (8) - require users to be listed in /etc/passwd
passwd (1)
                    - change user password
passwd (1ssl)
                   - OpenSSL application commands
passwd (5)
                   - the password file
passwd2des (3) - RFS password encryption
pwhistory_helper (8) - Helper binary that transfers password hashes from passwd or shadow to opasswd
                   - safely update /etc/passwd, /etc/shadow and /etc/group
update-passwd (8)
mohamed@dell:~$
```

1. Create a user account with the following attribute

🛚 username: islam

Pullname/comment: Islam Askar

Password: islam

```
mohamed@dell:-$ sudo useradd islam -c "Islam Askar"
[sudo] password for mohamed:
Sorry, try again.
[sudo] password for mohamed:
mohamed@dell:-$ sudo passwd islam
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
mohamed@dell:-$
```

2. Create a user account with the following attribute

Username: baduser

Pull name/comment: Bad User

Password: baduser

```
mohamed@dell:~$ sudo useradd baduser -c "Bad User"
mohamed@dell:~$ sudo passwd baduser

New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
mohamed@dell:~$
```

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

```
mohamed@dell:~$ sudo groupadd -g 30000 pgroup
mohamed@dell:~$ tail /etc/group
colord:x:120:
gdm:x:121:
nm-openvpn:x:122:
lxd:x:123:
gamemode:x:986:
gnome-initial-setup:x:985:
mohamed:x:1000:
islam:x:1001:
baduser:x:1002:
pgroup:x:30000:
mohamed@dell:~$
```

4-Create a supplementary group called badgroup

```
mohamed@dell:~
mohamed@dell:~$ sudo groupadd badgroup
mohamed@dell:~$ tail /etc/group
gdm:x:121:
nm-openvpn:x:122:
lxd:x:123:
gamenode:x:986:
gnome-initial-setup:x:985:
mohamed:x:1000:
islam:x:1001:
baduser:x:1002:
pgroup:x:30000:
badgroup:x:300001:
mohamed@dell:~$
```

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

```
Q = - x
 J+1
                                  mohamed@dell: ~
mohamed@dell:~$ sudo usermod -aG pgroup islam
mohamed@dell:~$ tail /etc/group
gdm:x:121:
nm-openvpn:x:122:
lxd:x:123:
gamemode:x:986:
gnome-initial-setup:x:985:
mohamed:x:1000:
islam:x:1001:
baduser:x:1002:
pgroup:x:30000:islam
badgroup:x:30001:
mohamed@dell:~$
```

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

```
mohamed@dell:~$ 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

mohamed@dell:~$
```

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

```
Q = - 0 x
                                      mohamed@dell: ~
mohamed@dell:~$ sudo chage -M 30 islam
m<mark>ohamed@dell:~</mark>$ sudo chage -l islam
Last password change
                                                         : Mar 10, 2025
Password expires
                                                         : Apr 09, 2025
Password inactive
                                                         : never
Account expires
                                                         : never
Minimum number of days between password change
                                                         : 30
Maximum number of days between password change
Number of days of warning before password expires
mohamed@dell:~$
```

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

```
mohamed@dell:~$ sudo usermod -L baduser
mohamed@dell:~$ su - baduser
Password:
su: Authentication failure
mohamed@dell:~$ |
```

9-Delete bad user account

```
mohamed@dell:~$ sudo userdel -r baduser
userdel: baduser mail spool (/var/mail/baduser) not found
userdel: baduser home directory (/home/baduser) not found
mohamed@dell:~$ su - baduser
su: user baduser does not exist or the user entry does not contain all the required fields
```

10-Delete the supplementary group called badgroup

```
mohamed@dell:~$ sudo groupdel badgroup
mohamed@dell:~$ tail /etc/group
rtkit:x:119:
colord:x:120:
gdm:x:121:
nm-openvpn:x:122:
lxd:x:123:
gamemode:x:986:
gnome-initial-setup:x:985:
mohamed:x:1000:
islam:x:1001:
pgroup:x:30000:islam
mohamed@dell:~$
```