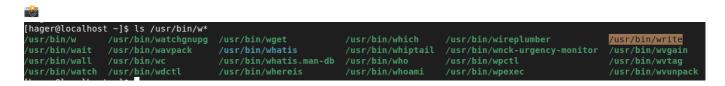
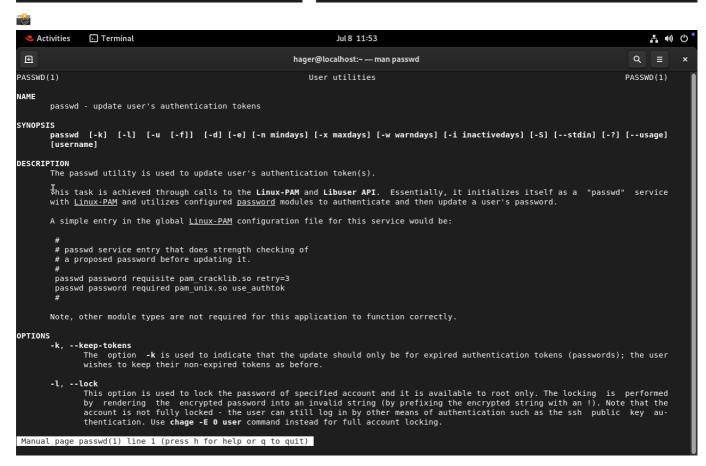
### complete lab1

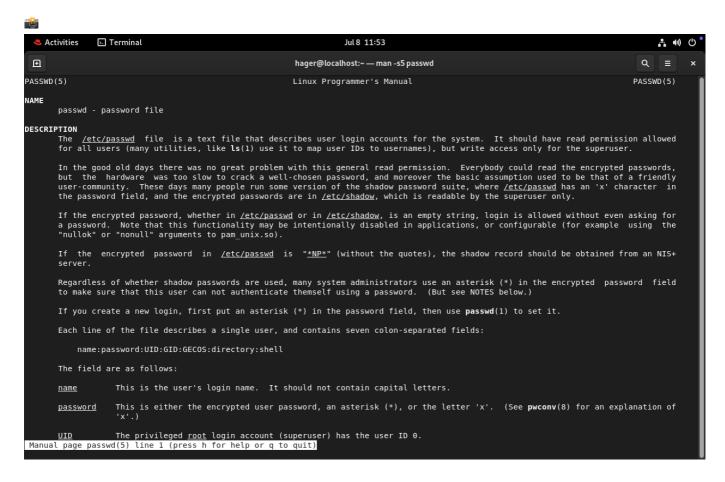
#### **★8-List Linux commands in /usr/bin that start with letter w**



**★11-Display the man pages of passwd the command and the file sequentially in one command.** 

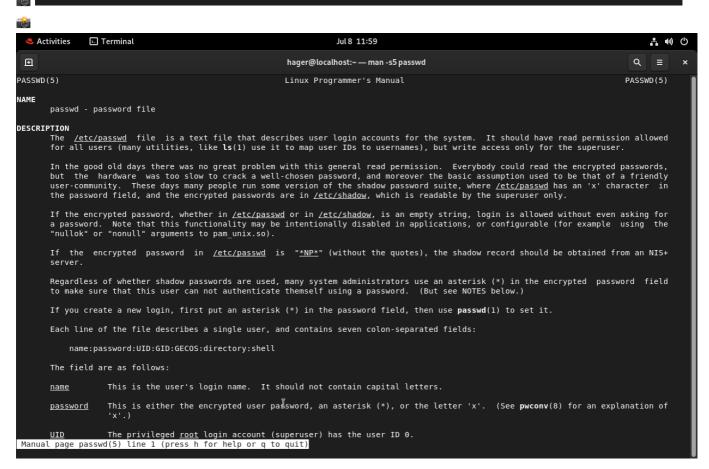
# [hager@localhost ~]\$ man passwd ; man -s5 passwd





#### 12- Display the man page of the passwd file.

### [hager@localhost ~]\$ man -s5 passwd



\*\* 13- Display a list of all the commands that contain the keyword passwd in their man page.###

```
[hager@localhost ~]$ man -K passwd
--Man-- next: gpasswd(1) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
--Man-- next: newgrp(1) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
--Man-- next: sg(1) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
--Man-- next: xargs(1) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
--Man-- next: renice(1) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
--Man-- next: ca(lossl) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
--Man-- next: ciphers(lossl) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
--Man-- next: gendsa(lossl) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
--Man-- next: gendsa(lossl) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
--Man-- next: genpkey(lossl) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
```

#### lab2

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

```
(hager@localhost ~]$ sudo useradd islam -c "Islam Askar"
[sudo] password for hager:
[hager@localhost ~]$ sudo passwd islam
Changing password for user islam.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
```

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

```
[hager@localhost ~]$ sudo useradd baduser -c "Bad User"
[hager@localhost ~]$ sudo passwd baduser
Changing password for user baduser.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
```

```
[hager@localhost ~]$ sudo useradd baduser -c "Bad User"
[hager@localhost ~]$ sudo passwd baduser
Changing password for user baduser.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
```

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

```
[hager@localhost ~]$ sudo groupadd pgroup --
--force --help --non-unique --prefix --system
--gid --key --password --root --users
[hager@localhost ~]$ sudo groupadd pgroup --gid 30000
```

#### 

```
[hager@localhost ~]$ sudo groupadd badgroup
[hager@localhost ~]$ tail /etc/g
gcrypt/
               qeoclue/
                               gnupg/
                                               group
gdm/
               glvnd/
                               groff/
                                               group-
[hager@localhost ~]$ tail /etc/group
tcpdump:x:72:
sgx:x:979:
systemd-oom:x:978:
hager:x:1000:
omar:x:1001:
apache:x:48:
islam:x:1002:
baduser:x:1003:
pgroup:x:30000:
badgroup:x:30001:
```

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

```
[halger@localhost ~]$ sudo usermod -G pgroup islam
[hager@localhost ~]$ tail -2 /etc/group
pgroup:x:30000:islam
badgroup:x:30001:
```

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

```
[hager@localhost ~]$ sudo passwd islam
Changing password for user islam.
New password:
BAD PASSWORD: The password fails the dictionary check - it is based on a dictionary word
Retype new password:
passwd: all authentication tokens updated successfully.
```

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

```
[hager@localhost ~]$ sudo chage -M 30 islam
[hager@localhost ~]$ sudo chage -l islam

Last password change : Jul 08, 2025
Password expires : Aug 07, 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
```

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

Ť

```
[hager@localhost ~]$ sudo usermod -L baduser
[hager@localhost ~]$ su baduser
Password:
su: Authentication failure
```

#### 

```
[hager@localhost ~]$ sudo userdel baduser
[hager@localhost ~]$ tail /etc/passwd
gnome-initial-setup:x:987:982::/run/gnome-initial-setup/:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/sbin/nologin
dnsmasq:x:986:981:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/sbin/nologin
chrony:x:985:980::/var/lib/chrony:/sbin/nologin
tcpdump:x:72:72::/:/sbin/nologin
systemd-oom:x:978:978:systemd Userspace OOM Killer:/:/usr/sbin/nologin
hager:x:1000:1000:hager:/home/hager:/bin/bash
omar:x:1001:1001::/home/omar:/bin/bash
apache:x:48:48:Apache:/usr/share/httpd:/sbin/nologin
islam:x:1002:1002:Islam Askar:/home/islam:/bin/bash
```

#### **★10-Delete the supplementary group called badgroup.**

```
[hager@localhost ~]$ sudo groupdel badgroup
[hager@localhost ~]$ tail /etc/group
chrony:x:980:
slocate:x:21:
tcpdump:x:72:
sgx:x:979:
systemd-oom:x:978:
hager:x:1000:
omar:x:1001:
apache:x:48:
islam:x:1002:
pgroup:x:30000:islam
```