LinuxLab#02#P2

1. **Create user account xyz with comment testing.**

```
[root@cloud afnan]# useradd xyz
[root@cloud afnan]# passwd xyz
Changing password for user xyz.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@cloud afnan]# usermod -c testing xyz
```

2.Change the expiry date of the account & Inactive time for xyz account.

```
root@cloud afnan]# usermod -e 40 xyz
root@cloud afnan]# usermod -f 8 xyz
```

3. Change the min number of days to change password to be 3 days for xyz.

```
[root@cloud afnan]# usermod -f 8 xyz
[root@cloud afnan]# chage -m 3 xyz
[root@cloud afnan]#
```
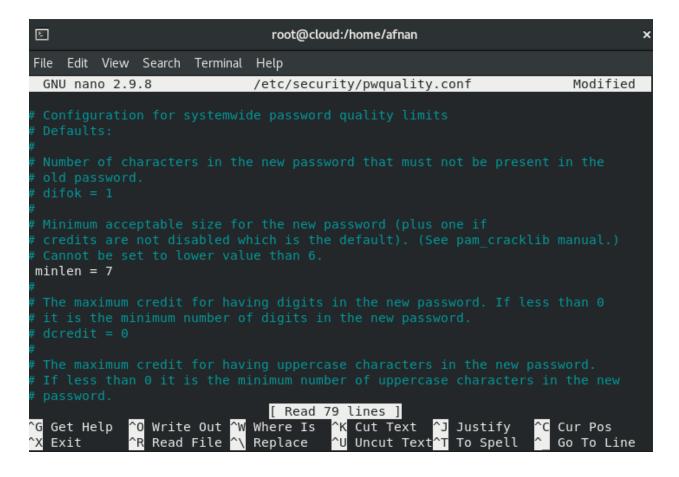
4. Change the maximum number of days to change the password after 90 day for xyz.

```
[root@cloud afnan]# chage -M 90 xyz
[root@cloud afnan]#
```

5. Change the warning before the account disabled.

```
[root@cloud afnan]# chage -W 5 xyz
[root@cloud afnan]#
```

6. Change the minimum password length.

```
┌─                         root@cloud:/home/afnan                          ✕ ─┐
 File  Edit  View  Search  Terminal  Help
   GNU nano 2.9.8              /etc/security/pwquality.conf              Modified

# Configuration for systemwide password quality limits
# Defaults:
#
# Number of characters in the new password that must not be present in the
# old password.
# difok = 1
#
# Minimum acceptable size for the new password (plus one if
# credits are not disabled which is the default). (See pam_cracklib manual.)
# Cannot be set to lower value than 6.
 minlen = 7
#
# The maximum credit for having digits in the new password. If less than 0
# it is the minimum number of digits in the new password.
# dcredit = 0
#
# The maximum credit for having uppercase characters in the new password.
# If less than 0 it is the minimum number of uppercase characters in the new
# password.
                         [ Read 79 lines ]
^G Get Help   ^O Write Out ^W Where Is   ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit       ^R Read File ^\ Replace    ^U Uncut Text^T To Spell  ^  Go To Line
```

7. Display the account information for iti user.

```
[root@cloud afnan]# useradd iti
[root@cloud afnan]# passwd iti
Changing password for user iti.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[root@cloud afnan]# tail -1 /etc/passwd
iti:x:1003:1003::/home/iti:/bin/bash
```

8. **Create group named sales and add iti,xyz to it then let iti account administrator for the group and give the group password.**

```
[root@cloud afnan]# groupadd sales
[root@cloud afnan]# gpasswd --help
Usage: gpasswd [option] GROUP

Options:
  -a, --add USER                add USER to GROUP
  -d, --delete USER             remove USER from GROUP
  -h, --help                    display this help message and exit
  -Q, --root CHROOT_DIR         directory to chroot into
  -r, --delete-password         remove the GROUP's password
  -R, --restrict                restrict access to GROUP to its members
  -M, --members USER,...        set the list of members of GROUP
  -A, --administrators ADMIN,...
                                set the list of administrators for GROUP
Except for the -A and -M options, the options cannot be combined.
[root@cloud afnan]# gpasswd -M iti,xyz sales
[root@cloud afnan]# gpasswd -A iti sales
[root@cloud afnan]# groupmod -p redhat8 sales
[root@cloud afnan]#
```

9. **Using the useradd command, add accounts for the following users in your system: user1, user2, user3, user4, user5, user6 and user7.**

```
[root@cloud afnan]# useradd user1
[root@cloud afnan]# passwd user1
Changing password for user user1.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@cloud afnan]# useradd user2
p[root@cloud afnan]# passwd user2
Changing password for user user2.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
```

```
File  Edit  View  Search  Terminal  Help
[root@cloud afnan]# useradd user3
[root@cloud afnan]# passwd user3
Changing password for user user3.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@cloud afnan]# useradd user4
[root@cloud afnan]# passwd user4
Changing password for user user4.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@cloud afnan]# useradd user5
[root@cloud afnan]# passwd user5
Changing password for user user5.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[root@cloud afnan]# useradd user6
[root@cloud afnan]# passwd user6
Changing password for user user6.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
```

```
[root@cloud afnan]# useradd user7
[root@cloud afnan]# passwd user7
Changing password for user user7.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
```

10. **Using the groupadd command, add the following groups to your system.**
    Group GID sales
    10000 hr 10001 web 10002

```
[sudo] password for afnan:
[root@cloud afnan]# groupadd -g 10000 sales
groupadd: group 'sales' already exists
[root@cloud afnan]# groupadd -g 10001 hr
[root@cloud afnan]# groupadd -g 10002 web
```

11. **Using the usermod command to add user1 and user2 to the sales auxiliary**
    group, user3 and
    user4 to the hr auxiliary group. User5 and user6 to web auxiliary group. And

**add user7 to all
auxiliary groups.**

```
[root@cloud afnan]# usermod -aG sales user1
[root@cloud afnan]# usermod -aG sales user2
[root@cloud afnan]# usermod -aG hr user3
[root@cloud afnan]# usermod -aG hr user4
[root@cloud afnan]# usermod -aG web user5
[root@cloud afnan]# usermod -aG web user6
[root@cloud afnan]# usermod -aG sales,hr,web user7
[root@cloud afnan]# 
```

12. **Login as each user and use id command to verify that they are in the appropriate groups.**
How else might you verify this information?

```
[root@cloud afnan]# id user1
uid=1004(user1) gid=1004(user1) groups=1004(user1),30001(sales)
[root@cloud afnan]# id user2
uid=1005(user2) gid=1005(user2) groups=1005(user2),30001(sales)
[root@cloud afnan]# id user3
uid=1006(user3) gid=1006(user3) groups=1006(user3),10001(hr)
[root@cloud afnan]# id user4
uid=1007(user4) gid=1007(user4) groups=1007(user4),10001(hr)
[root@cloud afnan]# id user5
uid=1008(user5) gid=1008(user5) groups=1008(user5),10002(web)
[root@cloud afnan]# id user6
uid=1009(user6) gid=1009(user6) groups=1009(user6),10002(web)
[root@cloud afnan]# id user7
uid=1010(user7) gid=1010(user7) groups=1010(user7),30001(sales),10001(hr),10002(
web)
```