Lecture 5
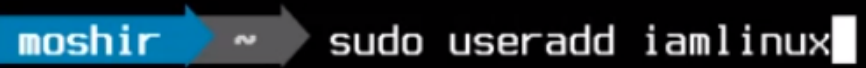# Linux create users

The main commands to create users

1. **Useradd** : to create new user
2. **Passwd** : to add the password
3. **Usermod**: to add user into group
4. **Userdel**: to delete user

Sudo useradd user-name
Create user without create file in directory "home"

```
moshir  ~  sudo useradd iamlinux
```

To check there are not files in home for new user type
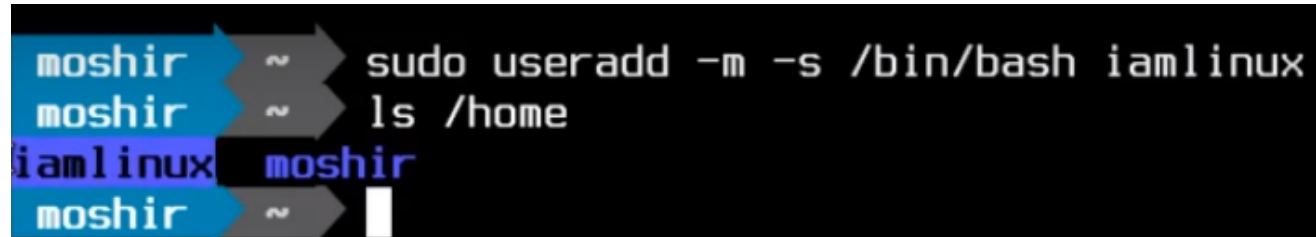"Ls /home "
To show the current users

```
moshir    ~    sudo useradd iamlinux
moshir    ~    ls /home
moshir
moshir    ~
```

TO create user with files in home type
"useradd –m –s /bin/bash username"

Then check that by ls /home

```
moshir      ~      sudo useradd -m -s /bin/bash iamlinux
moshir      ~      ls /home
iamlinux   moshir
moshir      ~
```

To create password type

"Passwd username"

To know the information about users "/cat /etc/passwd"

```
moshir   ~   sudo useradd -m -s /bin/bash iamlinux
moshir   ~   sudo passwd iamlinux
Enter new linux password:
Retype new linux password: █
```

To delete user type "userdel username"

That doesn't delete user's file in /home

```
moshir    ~    sudo userdel iamlinux
moshir    ~    ls /home
iamlinux  moshir
moshir    ~
```

To delete user with all files type

"userdel –r username"

```
moshir  ~   sudo userdel -r iamlinux
userdel: iamlinux mail spool (/var/mail/iamlinux) not found
moshir  ~   ls /home
moshir
moshir  ~  
```

- create user without file :   Sudo useradd user name
- To check for creating file or note: Ls /home
- create user with file : useradd –m –s /bin/bash username
- To check for creating file or note: Ls /home
- To create password: Passwd username
- To know information about password: /cat /etc/passwd
- To delete user without delete its file:userdel username
- To check: Ls /home
- To delete user without delete its file: "userdel –r username
- To check: Ls /home

Groups

Create groups of users to
control the permissions

In the first root has 2 users
1. Owner account
2. Root account (administrator)

Root

Group A
Group B
Group C

User 1A
User 2A
User 3A
User 1B
User 2B
User 1C
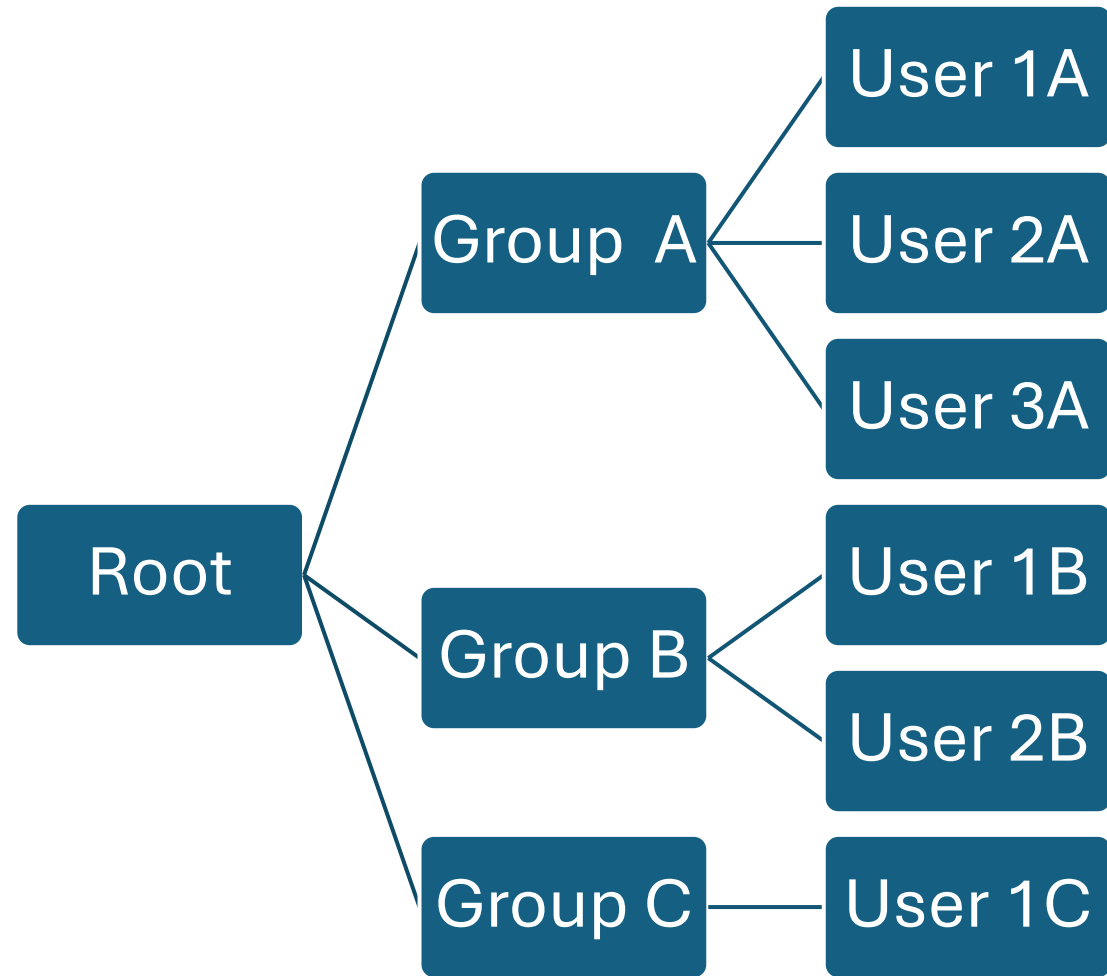
Managing the groups

1. Groupadd → to create new group
2. Groupdel→ to delete the group

The files contain the information about groups are in cat/etc/group

Add new group

"groupadd groupname"

```
[moshir@Cool-Nerd ~]$ sudo groupadd name
```

To delete group use "groupdel groupname"

To insert user to group (اضف مستخدم بداخل مجموعه فياخد كل صلاحيات المجموعه)

```
[moshir@Cool-Nerd ~]$ sudo usermod -aG group user
```

- To create group: groupadd groupname
- To delete group: groupdel groupname
- To add user into group: Usermod –aG groupname username

To list all groups of certain user type "groups username"

لمعرفة المجموعات التي مشترك بها المستخدم الواحد

```
[moshir@Cool-Nerd ~]$ groups moshir
wheel lp sys network power project21 moshir
[moshir@Cool-Nerd ~]$
```

To delete user form certain group use the following command
"gpasswd –d username groupname"

```
[moshir@Cool-Nerd ~]$ sudo gpasswd -d user group
```

To check list the files of group "cat /etc/group"

```
[moshir@Cool-Nerd ~]$ sudo groupdel project21
[sudo] password for moshir:
[moshir@Cool-Nerd ~]$ cat /etc/group
```

- To list all groups of certain user type "groups username"

لمعرفة المجموعات التي مشترك بها المستخدم الواحد

- To delete user form certain group use the following command
"gpasswd –d username groupname"

- To check list the files of group "cat /etc/group"

To add user and add user to group without create file in home
"useradd –g usergroup username"

```
moshir  ~  sudo useradd -g usergroup username
```

To add user and add user to group with create file in home

```
moshir  ~  sudo useradd -m -g sudo iamlinux
```

Complete by correct answer

1. To check create user in files ....

2. To remove user from group ....

3. To create new group ....

4. To add password for user ....

5. To create user and add user into group with create file.............

6. To delete user ....

7. To list all groups for user ....