

1

```
> sudo su  
root@DESKTOP-OUP6HIH:/home/migueljrm95#
```

```
root@DESKTOP-OUP6HIH:/home/migueljrm95# groupadd daw && groupadd crey
```

2

```
root@DESKTOP-OUP6HIH:/home/migueljrm95# groupmod -g 2001 daw && groupmod -g 2002 crey
```

3

```
root@DESKTOP-OUP6HIH:/home/migueljrm95# groupadd -g 2000 profesores
```

```
root@DESKTOP-OUP6HIH:/home/migueljrm95# groupmod -n teachers profesores  
root@DESKTOP-OUP6HIH:/home/migueljrm95# cat /etc/group
```

4

```
root@DESKTOP-OUP6HIH:/home/migueljrm95# cat /etc/group
```

```
migueljrm95:x:1000:  
daw:x:2001:  
crey:x:2002:  
teachers:x:2000:  
root@DESKTOP-OUP6HIH:/home/migueljrm95#
```

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```
root@DESKTOP-OUP6HIH:/home/migueljrm95# useradd -g 2002 john
```

```
root@DESKTOP-OUP6HIH:/home/migueljrm95# getent passwd | grep john  
john:x:1001:2002::/home/john:/bin/sh
```

It seems that the system don't create a home directory, so if you try to switch to that user you will get an error message saying that there is not a home folder assign to that user and the action will be denied.

```
root@DESKTOP-OUP6HIH:/home/migueljrm95# useradd -g 2002 -m john
```

```
$ pwd  
/home/john
```

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```
root@DESKTOP-OUP6HIH:/home# useradd -g 2001 -m mary
```

7

```
root@DESKTOP-OUP6HIH:/home# useradd -g 2000 -G 2002 -m martha
```

8

```
root@DESKTOP-OUP6HIH:/home# usermod -c "John Doe" john; usermod -c "Mary Williams" mary; usermod -c "Martha Jones" martha
```

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```
root@DESKTOP-OUP6HIH:/home# groups mary; groups john; groups martha
mary : daw
john : crey
martha : teachers crey
```

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```
root@DESKTOP-OUP6HIH:/home# id martha
uid=1002(martha) gid=2000(teachers) groups=2000(teachers),2002(crey)
```

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```
🐱 /home
> su - john
Password:
su: Authentication failure

🐱 /home
> su - mary
Password:
su: Authentication failure
```

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```
root@DESKTOP-OUP6HIH:/home# passwd martha
New password:
Retype new password:
passwd: password updated successfully
```

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```
root@DESKTOP-OUP6HIH:/home# groups martha
martha : teachers crey
```

14

```
root@DESKTOP-OUP6HIH:/home# usermod -d "/home/teachers" martha
```

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```
🐉 /home  
> su - martha  
Password:  
$ pwd  
/home/teachers
```

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```
$ su - migueljrm95  
Password:  
🐉 ~  
> sudo su  
root@DESKTOP-OUP6HIH:/home/migueljrm95#
```

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```
root@DESKTOP-OUP6HIH:/home/migueljrm95# usermod -s "bin/sh" john
```

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```
root@DESKTOP-OUP6HIH:/home/migueljrm95# usermod -a martha -G 2001  
root@DESKTOP-OUP6HIH:/home/migueljrm95# groups martha  
martha : teachers daw crey
```

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```
root@DESKTOP-OUP6HIH:/home/migueljrm95# groups john; groups mary; groups martha  
john : crey  
mary : daw  
martha : teachers daw crey
```

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```
root@DESKTOP-OUP6HIH:/home/migueljrm95# groupdel teachers; groupdel daw; groupdel crey  
groupdel: cannot remove the primary group of user 'martha'  
groupdel: cannot remove the primary group of user 'mary'  
groupdel: cannot remove the primary group of user 'john'
```

It's not possible to delete the groups because are secondary group of some users.

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```
root@DESKTOP-OUP6HIH:/home/migueljrm95# userdel -fr john; userdel -fr mary; userdel -fr martha
```

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```
root@DESKTOP-OUP6HIH:/home/migueljrm95# groupdel teachers; groupdel daw; groupdel crey
```