

Linux Task -4

1. **Scenario:** Imagine you are a system administrator tasked with managing users and groups on a Linux server. You need to create a new user, assign them to a specific group, modify their account details, and later delete both the user and the group.

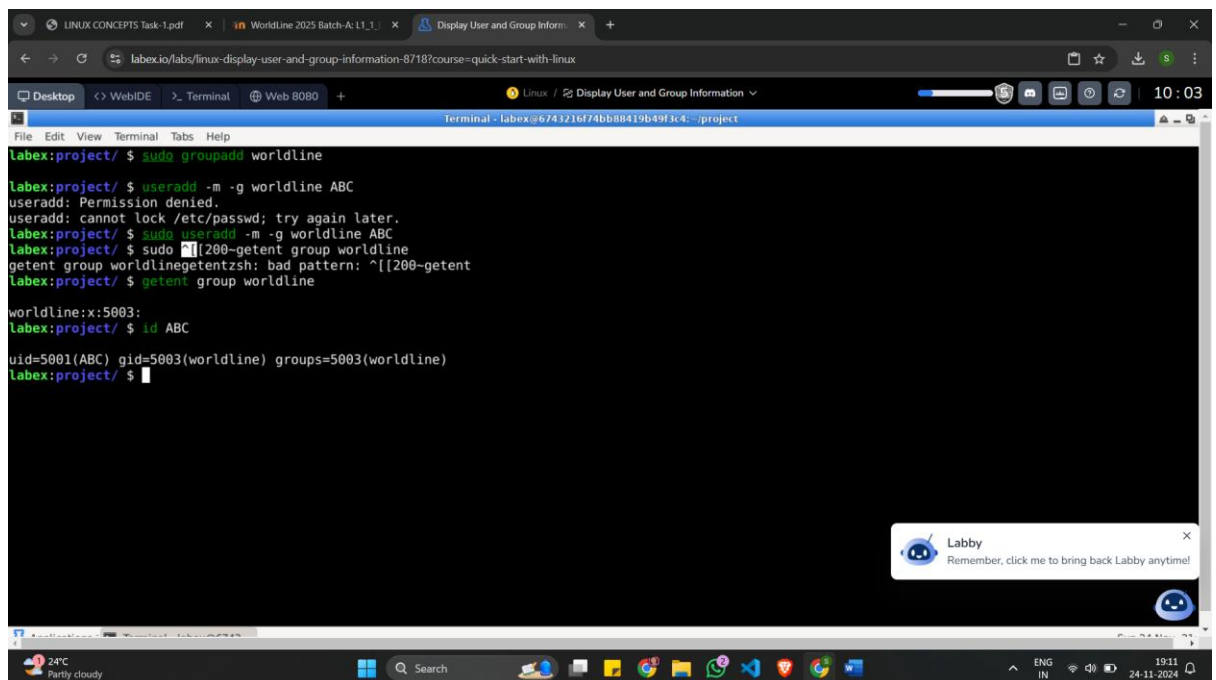
Question:

How can you use the `useradd`, `usermod`, `userdel`, `groupadd`, `groupmod`, and `groupdel` commands to:

1. Create a new user named ABC and assign them to a newly created group called worldline.

`groupadd worldline`

`useradd -m -g worldline ABC`



The screenshot shows a terminal window with the following commands and output:

```
labex:project/ $ sudo groupadd worldline
labex:project/ $ useradd -m -g worldline ABC
useradd: Permission denied.
useradd: cannot lock /etc/passwd; try again later.
labex:project/ $ sudo useradd -m -g worldline ABC
labex:project/ $ sudo [[200-getent group worldline
getent group worldlinegetentzsh: bad pattern: ^[[200-getent
labex:project/ $ getent group worldline
worldline:x:5003:
labex:project/ $ id ABC
uid=5001(ABC) gid=5003(worldline) groups=5003(worldline)
labex:project/ $
```

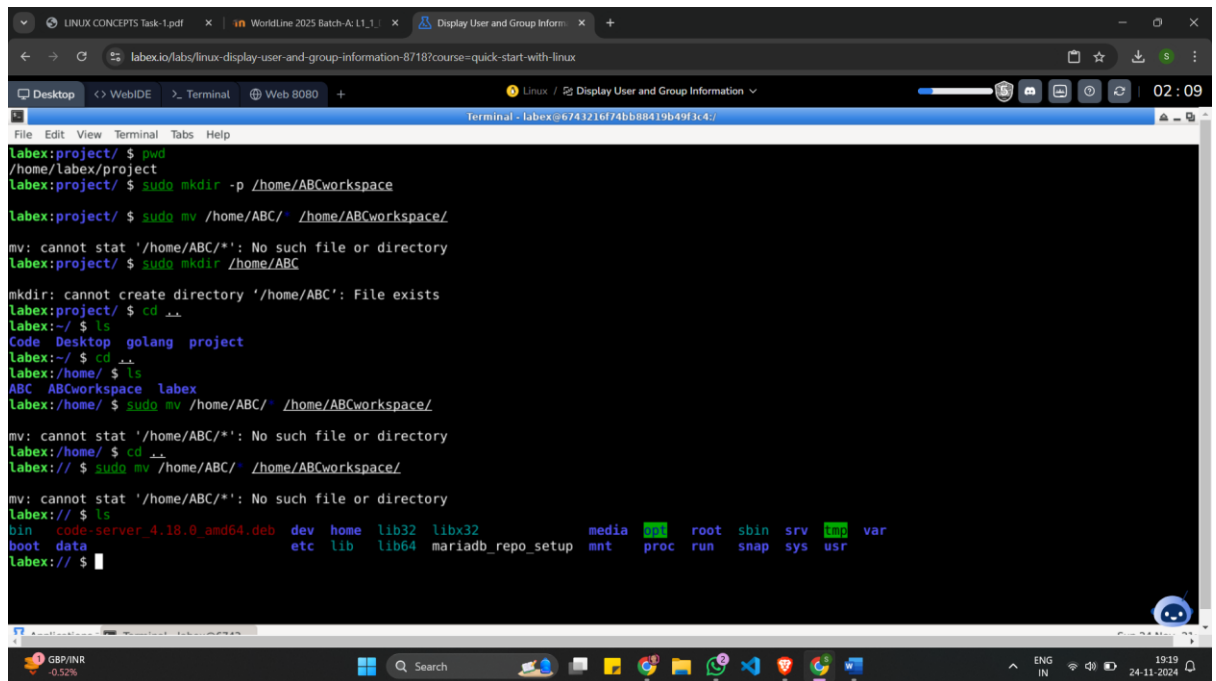
A Labby chatbot notification is visible in the bottom right corner of the terminal window.

2. Change the home directory of ABC to `/home/ABCworkspace`.

`mkdir -p /home/ABCworkspace`

`mv /home/ABC/* /home/ABCworkspace/`

`usermod -d /home/ABCworkspace -m ABC`

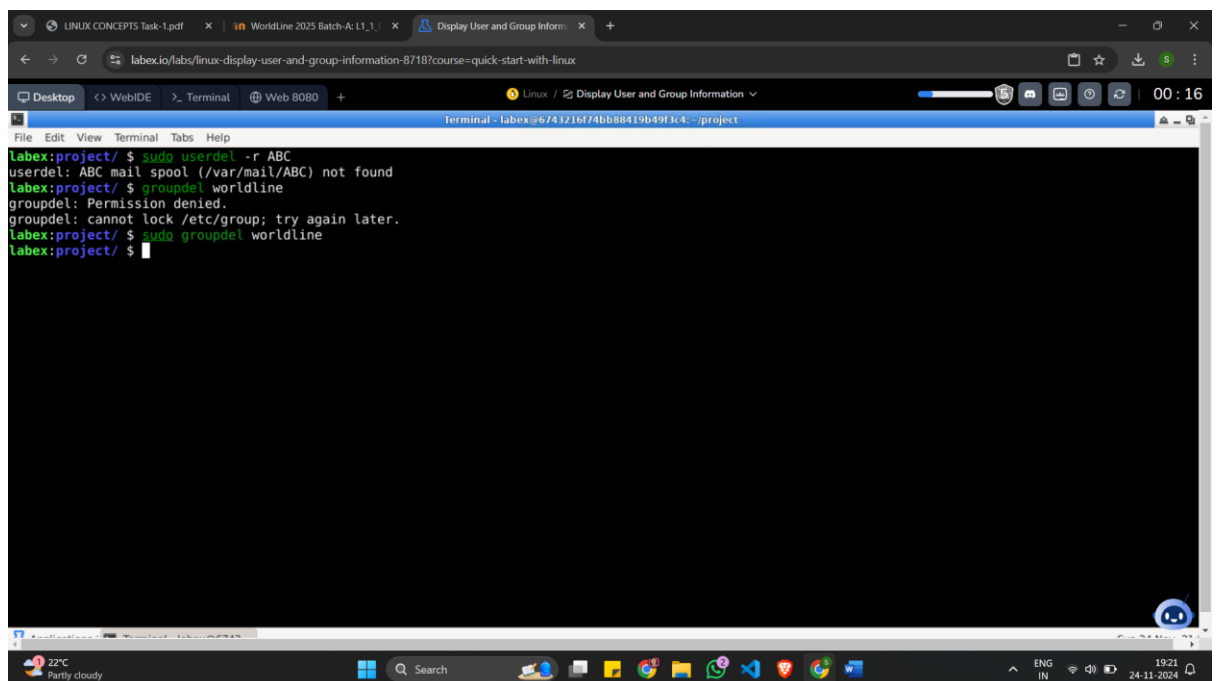


```
labex:project/ $ pwd
/home/labex/project
labex:project/ $ sudo mkdir -p /home/ABCworkspace
labex:project/ $ sudo mv /home/ABC/ /home/ABCworkspace/
mv: cannot stat '/home/ABC/*': No such file or directory
labex:project/ $ sudo mkdir /home/ABC
mkdir: cannot create directory '/home/ABC': File exists
labex:project/ $ cd ..
labex:~/ $ ls
Code Desktop golang project
labex:~/ $ cd ..
labex:/home/ $ ls
ABC ABCworkspace labex
labex:/home/ $ sudo mv /home/ABC/ /home/ABCworkspace/
mv: cannot stat '/home/ABC/*': No such file or directory
labex:/home/ $ cd ..
labex:/// $ sudo mv /home/ABC/ /home/ABCworkspace/
mv: cannot stat '/home/ABC/*': No such file or directory
labex:/// $ ls
bin  code-server_4.18.0_amd64.deb  dev  home  lib32  libx32  media  root  sbin  srv  var
boot  data  etc  lib  lib64  mariadb_repo_setup  mnt  proc  run  snap  sys  usr
labex:/// $
```

3. Delete the user ABC and the worldline group after they are no longer needed.

userdel -r ABC

groupdel worldline



```
labex:project/ $ sudo userdel -r ABC
userdel: ABC mail spool (/var/mail/ABC) not found
labex:project/ $ groupdel worldline
groupdel: Permission denied.
groupdel: cannot lock /etc/group; try again later.
labex:project/ $ sudo groupdel worldline
labex:project/ $
```