

Ejercicios

Ejercicio 1

1-

sudo -s

adduser pepe

adduser maria

The screenshot shows a terminal window titled 'Terminal' with the command 'root@alumno-HP-ProDesk-600-G5-MT:/home/alumno#'. The user is running 'sudo -s' and then executing 'adduser pepe'. The terminal displays the process of creating the user 'pepe', including adding it to a group named 'pepe' (ID 1006), copying files from '/etc/skel', and prompting for a password. After this, the user runs 'adduser maria', which fails because the user 'maria' already exists. The terminal then exits with 'root@alumno-HP-ProDesk-600-G5-MT:/home/alumno# exit'.

2-

sudo useradd -m juan

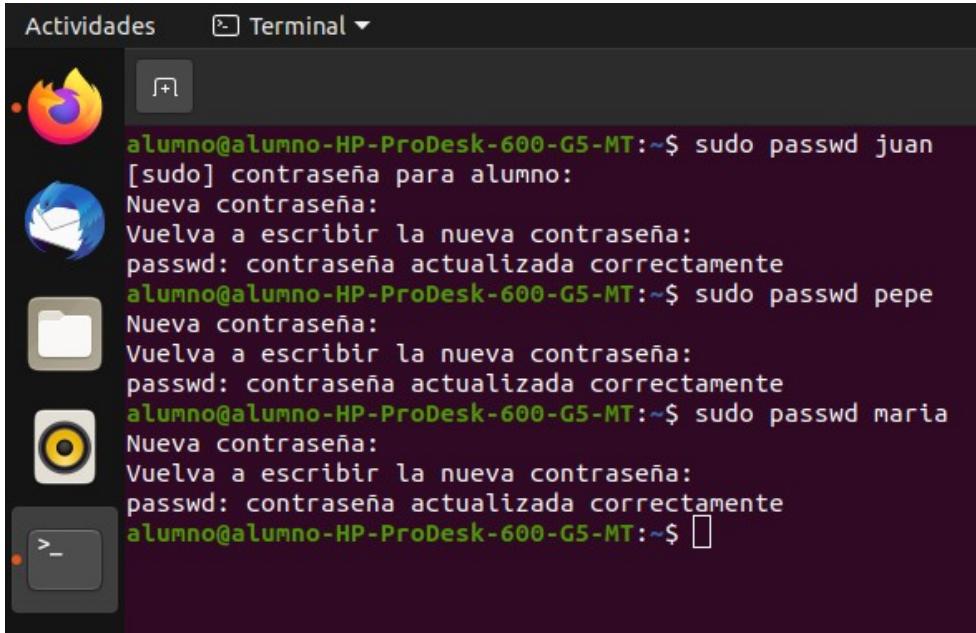
```
alumno@alumno-HP-ProDesk-600-G5-MT:/home$ sudo useradd -m juan
alumno@alumno-HP-ProDesk-600-G5-MT:/home$ ls -l
total 32
drwxr-xr-x 34 alumno      alumno        4096 ene 25 17:19 alumno
drwxr-xr-x  2 esteban_dido  esteban_dido  4096 ene 11 21:02 esteban_dido
drwxr-xr-x  2 joseba_jartangas joseba_jartangas 4096 ene 11 21:02 joseba_jartangas
drwxr-xr-x  2 juan        juan        4096 feb  1 20:05 juan
drwxr-xr-x  2 maria       maria       4096 ene 25 20:10 maria
drwxr-xr-x  2 pepe        pepe        4096 ene 25 20:07 pepe
drwxr-xr-x  2 rosa_melano rosa_melano 4096 ene 11 21:02 rosa_melano
drwxr-xr-x  2 susana_horia susana_horia 4096 ene 11 21:03 susana_horia
```

3-

The screenshot shows a terminal window with the command 'alumno@alumno-HP-ProDesk-600-G5-MT:~\$'. The user runs 'ls /home' to list all users in the home directory. The output shows the names of the users: alumno, esteban_dido, joseba_jartangas, juan, maria, pepe, rosa_melano, and susana_horia.

4-

```
sudo apt install passwd  
passwd juan
```

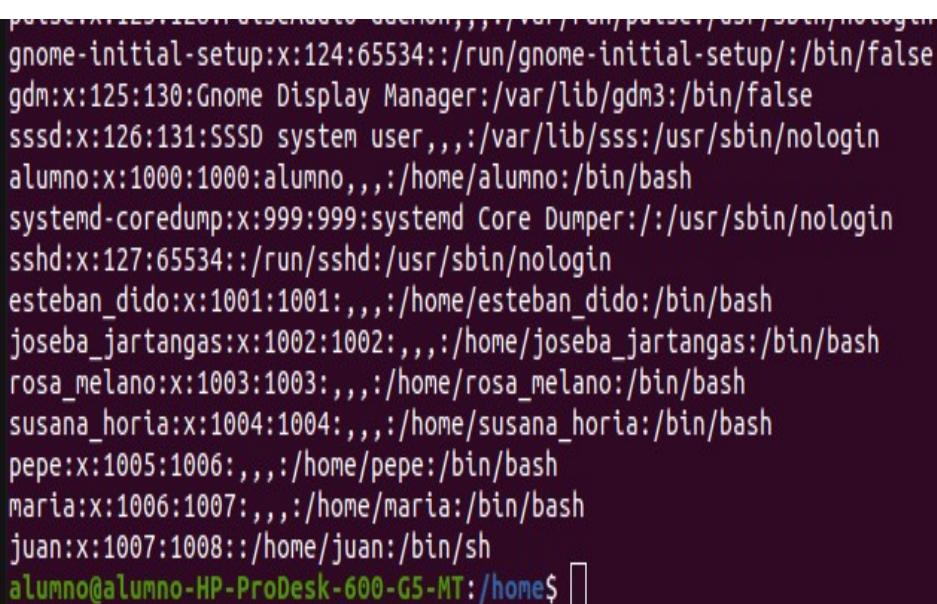


A screenshot of a Linux desktop environment, likely Ubuntu. On the left, there's a dock with icons for the Dash, Home, and several application windows (Firefox, Mail, Files, Terminal). The main window is a terminal titled 'Terminal'. It shows the command 'sudo passwd juan' being run, followed by prompts for a new password and its confirmation. This is followed by three more 'passwd' commands for users 'pepe', 'maria', and 'juan', each with their respective password prompts.

```
alumno@alumno-HP-ProDesk-600-G5-MT:~$ sudo passwd juan  
[sudo] contraseña para alumno:  
Nueva contraseña:  
Vuelva a escribir la nueva contraseña:  
passwd: contraseña actualizada correctamente  
alumno@alumno-HP-ProDesk-600-G5-MT:~$ sudo passwd pepe  
Nueva contraseña:  
Vuelva a escribir la nueva contraseña:  
passwd: contraseña actualizada correctamente  
alumno@alumno-HP-ProDesk-600-G5-MT:~$ sudo passwd maria  
Nueva contraseña:  
Vuelva a escribir la nueva contraseña:  
passwd: contraseña actualizada correctamente  
alumno@alumno-HP-ProDesk-600-G5-MT:~$ 
```

Ejercicio 2

```
cat /etc/passwd
```



A terminal window showing the contents of the '/etc/passwd' file. The file lists various system and user accounts, each consisting of a login name, password hash, user ID, group ID, full name, home directory, and shell. The output is as follows:

```
root:x:0:0::/root:/bin/bash  
gnome-initial-setup:x:124:65534::/run/gnome-initial-setup/:/bin/false  
gdm:x:125:130:Gnome Display Manager:/var/lib/gdm3:/bin/false  
sssd:x:126:131:sssd system user,,,:/var/lib/sssd:/usr/sbin/nologin  
alumno:x:1000:1000:alumno,,,:/home/alumno:/bin/bash  
systemd-coredump:x:999:999:system Core Dumper:/:/usr/sbin/nologin  
sshd:x:127:65534::/run/sshd:/usr/sbin/nologin  
esteban_dido:x:1001:1001:,,,:/home/esteban_dido:/bin/bash  
joseba_jartangas:x:1002:1002:,,,:/home/joseba_jartangas:/bin/bash  
rosa_melano:x:1003:1003:,,,:/home/rosa_melano:/bin/bash  
susana_horia:x:1004:1004:,,,:/home/susana_horia:/bin/bash  
pepe:x:1005:1006:,,,:/home/pepe:/bin/bash  
maria:x:1006:1007:,,,:/home/maria:/bin/bash  
juan:x:1007:1008:,,,:/home/juan:/bin/sh  
alumno@alumno-HP-ProDesk-600-G5-MT:/home$ 
```

Ejercicio 3

1

```
sudo usermod -g contables pepe
```

```
drwxr-xr-x 2 susana_horia susana_horia 4096 ene 11 21:03 susana_horia
alumno@alumno-HP-ProDesk-600-G5-MT:~$ sudo addgroup contables
[sudo] contraseña para alumno:
addgroup: El grupo `contables' ya existe.
alumno@alumno-HP-ProDesk-600-G5-MT:~$ usermod -g contables pepe
usermod: Permission denied.
usermod: no se pudo bloquear /etc/passwd, inténtelo de nuevo.
alumno@alumno-HP-ProDesk-600-G5-MT:~$ sudo usermod -g contables pepe
alumno@alumno-HP-ProDesk-600-G5-MT:~$ ls -l /home
total 32
drwxr-xr-x 34 alumno alumno 4096 ene 25 17:19 alumno
drwxr-xr-x 2 esteban_dido esteban_dido 4096 ene 11 21:02 esteban_dido
drwxr-xr-x 2 joseba_jartangas joseba_jartangas 4096 ene 11 21:02 joseba_jartangas
drwxr-xr-x 2 juan juan 4096 feb 1 20:05 juan
drwxr-xr-x 2 maria maria 4096 ene 25 20:10 maria
drwxr-xr-x 3 pepe contables 4096 feb 1 20:44 pepe
drwxr-xr-x 2 rosa_melano rosa_melano 4096 ene 11 21:02 rosa_melano
drwxr-xr-x 2 susana_horia susana_horia 4096 ene 11 21:03 susana_horia
alumno@alumno-HP-ProDesk-600-G5-MT:~$ 
```

2

```
drwxr-xr-x 3 pepe contables 4096 feb 1 20:44 pepe 
```

3

Si. Si

Ejercicio 4

1-

cd /home

sudo usermod -aG sudo pepe

sudo login pepe

sudo usermod -g contables juan

```
usermod: sin cambios
pepe@alumno-HP-ProDesk-600-G5-MT:~$ ls -l /home
total 32
drwxr-xr-x 34 alumno alumno 4096 ene 25 17:19 alumno
drwxr-xr-x 2 esteban_dido esteban_dido 4096 ene 11 21:02 esteban_dido
drwxr-xr-x 2 joseba_jartangas joseba_jartangas 4096 ene 11 21:02 joseba_jartangas
drwxr-xr-x 2 juan contables 4096 feb 1 20:05 juan
drwxr-xr-x 2 maria maria 4096 ene 25 20:10 maria
drwxr-xr-x 3 pepe contables 4096 feb 1 20:44 pepe
drwxr-xr-x 2 rosa_melano rosa_melano 4096 ene 11 21:02 rosa_melano
drwxr-xr-x 2 susana_horia susana_horia 4096 ene 11 21:03 susana_horia
pepe@alumno-HP-ProDesk-600-G5-MT:~$ 
```

2-

sudo gpasswd contables

nueva contraseña contables

```
gpasswd: permiso denegado.
pepe@alumno-HP-ProDesk-600-G5-MT:~$ sudo gpasswd contables
Cambiando la contraseña para el grupo contables
Nueva contraseña:
Vuelva a introducir la nueva contraseña:
pepe@alumno-HP-ProDesk-600-G5-MT:~$ 
```

Ejercicio 5

1

```
sudo usermod -aG sudo maria  
sudo login maria  
sudo newgrp contables maria
```

```
alumno@alumno-HP-ProDesk-600-G5-MT:~$ sudo usermod -aG sudo maria  
[sudo] contraseña para alumno:  
alumno@alumno-HP-ProDesk-600-G5-MT:~$ sudo login maria  
Contraseña:  
Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.11.0-38-generic x86_64)  
  
 * Documentation: https://help.ubuntu.com  
 * Management: https://landscape.canonical.com  
 * Support: https://ubuntu.com/advantage  
  
1 device has a firmware upgrade available.  
Run `fwupdmgm get-upgrades` for more information.  
  
Se pueden aplicar 12 actualizaciones de forma inmediata.  
12 de estas son actualizaciones de seguridad estándares.  
Para ver estas actualizaciones adicionales ejecute: apt list --upgradable  
  
Your Hardware Enablement Stack (HWE) is supported until April 2025.  
*** System restart required ***  
  
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/*copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
maria@alumno-HP-ProDesk-600-G5-MT:~$ sudo newgrp contables maria  
[sudo] contraseña para maria:  
root@alumno-HP-ProDesk-600-G5-MT:/home/maria# 
```

2
groups

```
root@alumno-HP-ProDesk-600-G5-MT:/home/maria# groups  
contables root  
root@alumno-HP-ProDesk-600-G5-MT:/home/maria# 
```

3
touch fichero-nuevo
ls -l

```
maria@alumno-HP-ProDesk-600-G5-MT:~$ touch fichero-nuevo  
maria@alumno-HP-ProDesk-600-G5-MT:~$ ls  
fichero-nuevo  
maria@alumno-HP-ProDesk-600-G5-MT:~$ ls -l  
total 0  
-rw-rw-r-- 1 maria maria 0 feb  4 20:48 fichero-nuevo  
maria@alumno-HP-ProDesk-600-G5-MT:~$ 
```

4

```
chmod u+x fichero-nuevo  
ls -l  
chmod u-x fichero-nuevo  
ls -l
```

```
[root@alumno-HP-ProDesk-600-G5-MT ~]# chmod u+x fichero-nuevo  
[root@alumno-HP-ProDesk-600-G5-MT ~]# ls -l  
total 0  
-rwxrw-r-- 1 maria maria 0 feb 4 20:48 fichero-nuevo  
[root@alumno-HP-ProDesk-600-G5-MT ~]# chmod u-x fichero-nuevo  
[root@alumno-HP-ProDesk-600-G5-MT ~]# ls -l  
total 0  
-rw-rw-r-- 1 maria maria 0 feb 4 20:48 fichero-nuevo  
[root@alumno-HP-ProDesk-600-G5-MT ~]# 
```

5

```
touch ficheros  
ls
```

```
[root@alumno-HP-ProDesk-600-G5-MT ~]# touch ficheros  
[root@alumno-HP-ProDesk-600-G5-MT ~]# ls  
fichero-nuevo ficheros  
[root@alumno-HP-ProDesk-600-G5-MT ~]# 
```

Ejercicio 6

```
sudo login maria
```

1

```
sudo usermod -g contables maria  
ls -l /home
```

```
[root@alumno-HP-ProDesk-600-G5-MT ~]# sudo usermod -g contables maria  
[sudo] contraseña para maria:  
[root@alumno-HP-ProDesk-600-G5-MT ~]# groups  
maria sudo  
[root@alumno-HP-ProDesk-600-G5-MT ~]# ls -l /home  
total 32  
drwxr-xr-x 34 alumno alumno 4096 ene 25 17:19 alumno  
drwxr-xr-x 2 esteban_dido esteban_dido 4096 ene 11 21:02 esteban_dido  
drwxr-xr-x 2 joseba_jartangas joseba_jartangas 4096 ene 11 21:02 joseba_jartangas  
drwxr-xr-x 2 juan contables 4096 feb 1 20:05 juan  
drwxr-xr-x 3 maria contables 4096 feb 4 20:53 maria  
drwxr-xr-x 3 pepe contables 4096 feb 1 20:44 pepe  
drwxr-xr-x 2 rosa_melano rosa_melano 4096 ene 11 21:02 rosa_melano  
drwxr-xr-x 2 susana_horia susana_horia 4096 ene 11 21:03 susana_horia  
[root@alumno-HP-ProDesk-600-G5-MT ~]# 
```

2

sudo login contables maria

```
maria@alumno-HP-ProDesk-600-G5-MT:~$ sudo login contables maria
Contraseña:
Identificación incorrecta
alumno-HP-ProDesk-600-G5-MT nombre:
El acceso caducó después de 60 segundos.
maria@alumno-HP-ProDesk-600-G5-MT:~$ 
```

3

sudo newgrp contables

groups

```
maria@alumno-HP-ProDesk-600-G5-MT:~$ sudo newgrp contables
root@alumno-HP-ProDesk-600-G5-MT:/home/maria# groups
contables root
::: root@alumno-HP-ProDesk-600-G5-MT:/home/maria# 
```