

PRACTICE 3 Basic Management of Files and Folders

1- Enter the system and check which is the working directory. —> pwd (print working directory)

```
adminsanti@servidoresanti:~$ cd /home/user
-bash: cd: /home/user: No such file or directory
adminsanti@servidoresanti:~$ pwd
/home/adminsanti
adminsanti@servidoresanti:~$
```

2- Change to the root directory and obtain a list of the files that contains. Comandos —> “cd /” y “ls /”

```
adminsanti@servidoresanti:/$ ls /
bin    cdrom  etc    lib    lib64  lost+found  mnt  proc  run  snap  swap.img  tmp  var
boot  dev    home  lib32  libx32  media      opt  root  sbin  srv   sys       usr
```

3-Go back to the HOME directory to create the PROGC, SCRIPTS, DATA AND DELETE directories.

```
adminsanti@servidoresanti:/$ cd home/
adminsanti@servidoresanti:/home$
```

```
mkdir: cannot create directory 'home/PROGC': Permission denied
adminsanti@servidoresanti:/$ _
```

So i tried “sudo mkdir nombre_de_la_carpeta”

```
adminsanti@servidoresanti:/home$ sudo mkdir SCRIPTS
adminsanti@servidoresanti:/home$ sudo mkdir DELETE
adminsanti@servidoresanti:/home$ sudo mkdir DATA
adminsanti@servidoresanti:/home$ ls
DATA  DELETE  PROGC  SCRIPTS  adminsanti
adminsanti@servidoresanti:/home$ _
```

4-Inside the DELETE directory create a new called SUBDIRECTORY.

```
adminsanti@servidoresanti:/home$ cd /home/DELETE
adminsanti@servidoresanti:/home/DELETE$ sudo mkdir subdirectory
adminsanti@servidoresanti:/home/DELETE$ ls
subdirectory
adminsanti@servidoresanti:/home/DELETE$ _
```

5-Change to the new directory and try to delete it using the rmdir command.
Which is the message obtained?

```
adminsanti@servidoresanti:/home/DELETE$ cd /home/DELETE/subdirectory
adminsanti@servidoresanti:/home/DELETE/subdirectory$ rmdir subdirectory
rmdir: failed to remove 'subdirectory': No such file or directory
adminsanti@servidoresanti:/home/DELETE/subdirectory$ rmdir
rmdir: missing operand
Try 'rmdir --help' for more information.
adminsanti@servidoresanti:/home/DELETE/subdirectory$
```

Si me situo en la carpeta DELETE e intento rmdir subdirectory obtengo Permission Denied

6-Try to delete the DELETE directory and everything that hangs from it. What happens?
I obtain once again permission denied

He usado sudo su para actuar desde los permisos del administrador y entonces aparece al intentar rmdir /home/DELETE

“Directory not empty”

7-Create, using cat, a file called NAME that contains in the first line your name and in the 2nd your ID. Show the content of that file on the screen.

```
root@servidoresanti:/home# ls
DATA  DELETE  PROGC  SCRIPTS  adminsanti
root@servidoresanti:/home# cat > NOMBRE
Santi
53667350
^Z
[2]+  Stopped                  cat > NOMBRE
root@servidoresanti:/home# cat NOMBRE
Santi
53667350
root@servidoresanti:/home#
```

8. Create an identical file as NAME using the redirection of the standard output.

```
root@servidoresanti:/home# cat NOMBRE > NAME
root@servidoresanti:/home# ls
DATA  DELETE  NAME  NOMBRE  PROGC  SCRIPTS  adminsanti
root@servidoresanti:/home# cat NOMBRE
santi
53667350
root@servidoresanti:/home# cat NAME
santi
53667350
root@servidoresanti:/home# _
```

9- Move the file name to the data directory.

```
root@servidoresanti:/home# mv /home/NAME /home/DATA/  
root@servidoresanti:/home# cd /home/DATA  
root@servidoresanti:/home/DATA# ls  
NAME  
root@servidoresanti:/home/DATA#
```

10. Try to delete the data directory. What happens?

Obtengo de nuevo: Directory not empty