Sistemas Informáticos (Computer Systems)  
Unit 05. Activities 02

short line

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# Exercise 01

Investigate and post/discuss in the forum some of these topics (remember, there is an extra point if you participate in the forum):

* What is “/dev” directory and explain how to mount a unit.
* What is file “/etc/fstab”.
* Differences between hard links and symbolic links.
* Examples of files with bit SetUID activated and why they need it.
* Security problems with bit SetUID.
* Any other Linux topic that you consider interesting or difficult.

# Exercise 02

Do the suggested actions on Linux console and write the command used to perform each one.

**1. Go to your home directory.**

**2. Create directory “*PRACTICA*” on your home directory.**

**3. Change current directory to “*PRACTICA*”.**

**4. Create subdirectory “*DATOS*” in “*PRACTICA*”.**

**5. Change current directory to “*DATOS*”.**

**6. (Outside of Linux console) Create a file “*texto.txt*” with your name and surname inside.**

**7. Copy file “*texto.txt*” to “*texto.bak*”.**

**8. Copy file “*texto.txt*” to “*texto.bas*”.**

**9. Execute command “*ls*” using wildcards to only show files that start with “*TEX*” and its two first extension characters would be “*ba*”.**

**10. Create file “*salida.txt*” using a redirected output using the command of the last exercise.**

**11. Check the content of “*salida.txt*” using command “*cat*”.**

**12. Rename file “*salida.txt*” to “*salida.dat*”.**

**13. (Outside of Linux console) Create in your home a file named “*clasi.dat*” with this content inside:**

1 Valencia CF

2 At. Madrid

3 Villarreal CF

4 FC Barcelona

5 Real Madrid

**14. Being “*DATOS*” your current directory, copy all content of directory “*PRACTICA”* and its subdirectories to a new directory “*DOCS*” in the root (“*/home/yourhome/DOCS*”).**

**15. Change to directory “*home/yourhome/DOCS/DATOS*” using one command with a relative route.**

**16. Create file “*clasi.org*” as a result of sort file “*clasi.dat*” for the second column.**

**17. Delete created directories and files with one command.**