

CS&A: Lab Sessions

Exercises: Introduction to UNIX

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1 Time Schedule

Exercises are made individually. Fill in all solutions to the exercises in the file `oefeningen.html`. **Include all commands you used to obtain your solution.**

Put all your files in a `tgz` archive, as explained on the course's website, and submit your solution to the exercises on Blackboard.

- Deadline: **October, 11 2010, 23u55**

2 Exercises

1. Create a sorted list of all login names that are currently logged in. Use `who` and `sort`.
2. Use `find` to compile a list of all directories in the system, redirecting the output so that the list of directories ends up in a file called `directories.txt` and the list of error messages ends up in a file called `errors.txt`.
3. Count the number of login names in 1BA Computer Science. Use `cat` and `grep`, read from `/etc/passwd`.
4. Show a list of all login names (not only 1BA). Use `cut`.
5. Show a list of all login names and corresponding names (just the name, not the study).
6. Show a list of all login names and corresponding home directory and shell, separated by tabs.
7. Sort `/etc/passwd` backwards on user ID (not login name!). Print the lines completely.
8. Startup a number of `sleep 60` processes in the background, and terminate them all at the same time using the `pkill` command.
9. Download the file `tel.tgz` and extract it. You can find it on <http://radix.cmi.ua.ac.be/~rvdbossc/tel.tgz>. Make a list of unique phone numbers in `tel.txt` and count the number of times they occur. Use `uniq`.
10. Create a file with the login name, group and study of all people in 1BA, sorted by name.