Bases of Unix I.

Summary: *We learn about text editors like joe, pico, mcedit and vi(m). We get to know the main character commands of editing with vi.*
We learn about permissions in LINUX system, like: reading, writing and execution permissions and about users, groups, others and superuser! We modify the permissions with two different ways: with numbers and with characters.
We learn about foreground and background processes and how to stop them.

Commands we learn about: *ls al – list of files, chmod – change permissions, & - start at the background, fg – move to the foreground, bg – move to the background, ps – list of processes, jobs – list of jobs, kill – send a signal, trap – trap a signal*

Editors

1. Create a simple file (elte.txt) with vi – should contain the subject names you learn here in ELTE!
2. Create a simple file (favourite.txt) with the names of your favourite sportsmen /actors! Use mcedit!
3. Create a simple file (country.txt) with the country names of Europe! Use pico!
4. Create a simple file (towns.txt) the nicest towns you have seen. Use joe!
5. Create a simple HTML file (index.html) about yourself and publish it in your webplace! The html file should contain your name, your native country, a photo about your country, a link to a page about your native town or country! You can use any of the above mentioned simple editors or anything you wish (e.g. Word, VS, etc) and filetransfer it!

Permissions

6. Modify the permissions of the text file with both methods! Give for the group a permission for writing and remove reading permission from others! (chmod)
7. Make a copy from the above mentioned file. Check it's permissions!
8. Remove the reading permission of others for the file in the public_html directory. Check whether you can see it in the browser or not!

Processes

9. Start the sleep 1000 command! Send a SIGINT signal to the process! (CTRL+C). Check with ps command, that the sleep process is terminated. (ps)
10. Start a new sleep 1000 command! Send a SIGTSTP signal to the process! (CTRL+Z). Check with ps command, that the sleep process is still existing. (ps)
11. Restart it in the foreground! (fg) Send a SIGTSTP signal to the process! (CTRL+Z). Check with ps command, that the sleep process is still existing. (ps)
12. Restart it in the background! (bg) Send a SIGTSTP signal to the process! (CTRL+Z). Check with ps command, that the sleep process is still existing. (ps)
13. Send a SIGKILL to the sleep process! (kill) Check with ps command, that the sleep process is terminated. (ps)
14. Start a yes process! Login with an other terminal connection and kill the process from the new window! (ps, kill)
15. Trap the SIGINT signal – write out your name while getting the signal! Try it! (trap 2). State back the default working. Try it again! (A running process + CTRL+C)