Bases of Windows and Unix I.

Summary: *We learn how to make an ftp (scp) and a telnet (ssh) connection from Windows and from LINUX as well. We make a difference between ASCII and binary file transferring. We publish a simple homepage to the fundofcomp.inf.elte.hu server.*
We make our first experiences with LINUX base commands. We learn about input-output redirection and how to make an archivation.

Commands we learn about: man - help, echo - print, cat – content writing, cp - copy, ln – create a link, mkdir – make a directory, rm - remove, cd – change directory, who- logged in users, find- search, pwd – working path, passwd – change password , >,>> - i/o redirection,zip,unzip,tar - archivate.

Tasks in Windows:

1. Send an e-mail to your class mates from your inf e-mail address (username@inf.elte.hu)!
2. Find a picture about ELTE and download it into the local computer. Use winscp program to make an ftp connection with fundofcomp.inf.elte.hu server and transfer it to the server!
3. Create a simple web-page about yourself (name, native country, Neptun-code) named index.html and transfer it into the server, the destination directory should be public/public_html! Start a browser with the url: *http://people.inf.elte.hu/username/*
4. Use putty program to make a telnet connection with fundofcomp.inf.elte.hu server. Now you are working with a LINUX server!

Tasks in LINUX (command line):

5. List the content of your active directory! (ls)
6. Find the required options for detailed listing. (man, ls)
7. Find the place of the picture, which you transfered before! Explain the permissions! (cd, ls)
8. Create a simple file (filename: yourname.txt) with redirection the result of echo. The content of the file should be your name and your native country.
9. Write out the content of the text file! (cat)
10. Create a working directory (directory name: day_month) and change to this directory. (mkdir, cd) Copy the file to this directory! (cp)
11. Write out today's month and day! (date) (find in manual how to manipulate date!
12. Find the root directory of the computer and look for the regular directories! (use cd ../../ etc.) Return with typing cd and enter button!
13. Create a simple file (filename: yourname2.txt) with cat command.
14. Redirect the data of the loged in users into who.txt file. (who, >)
15. Create a copy of this file with cp command! (cp).
16. Create a copy of this file with ln and ln –s commands. (filename: ln.txt, sln.txt) What are the differences between them? (ln)
17. Find your files which are bigger then 2 blocks. (find)
18. Ftp two similar files to the server and compare them. (diff)
19. Make a zip file from all of your txt files and unzip it! (zip, unzip)
20. Make a tar file from all of your txt files and extract it! (tar)
21. Talk with one of your mates! (talk, mesg no)