

# Setup and Linux Exercises

Set up your email account:

- goto <https://mail.desy.de/>
- check that you can send and receive mails: send mail with subject "hello" to [hannes.jung@desy.de](mailto:hannes.jung@desy.de)
- keep your desy mail as priority mail (or set forward to your favorite mail account) because you will receive all infos related to the summer-student program to your desy mail.

In a Linux terminal window and with help of the Scientific Linux Desy Manual, make the following exercises. You can also find good Linux tutorials by searching internet for 'Linux Tutorial'.

1. Create a directory 'mylinuxtest'. (Hint: mkdir)
2. Enter this directory. (Hint: cd)
3. With one command create two new directories 'dirone' and 'dirtwo'. (mkdir)
4. Enter 'dirone'. (cd)
5. Create a text file ('myfile\_one.txt') by using a text editor (e.g. nedit or emacs). Write something in the text file. Save the file. Close the editor.
6. Copy the text file to a new file 'myfile\_two.txt'. (cp)
7. With one command move text files from 'dirone' to the directory 'dirtwo'. Do this without leaving 'dirone'. (mv)
8. Goto 'dirtwo'
9. List all the files in your directory 'dirtwo'. You should see the 2 files you just created. (ls)
10. Remove one of the files (rm). Remove 'dirone' (rmdir).
11. Go to your home directory (cd). With one command, copy the directory 'mylinuxtest' and to a new directory 'linuxexercise'
12. Investigate the difference between ending or not ending a command with an '&'-sign: Open a text editor with and without ending the command line with '&'.
13. Try the Linux copy and paste command using only your mouse. (Mark text with left mouse button, paste it with middle mouse button.) Paste everything you did from your terminal window into a text file. Save the text file as e.g. 'mylinuxcommands.txt'. (You can have a look at it later if you forget the most basic linux commands.)
14. Use 'less' or 'more' or 'cat' to browse 'mylinuxcommands.txt' without open an editor.
15. Use the 'lpr'-command to print 'mylinuxcommands.txt'. Ask your supervisor which printer to use.
16. DESY provides the summer students an e-mail adress. Use your mail program to mail your supervisor(s) 'mylinuxcommands.txt'. The DESY e-mail is used for communications within the summer school. Please, read your mails regularly.
17. Hint: You can access the desy phone book with the command "phone [name]". Please call or visit us if you need help.