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Besturingssystemen

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Labo 2

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Labo 2: Linux leren kennen

- Hulp zoeken → Linux Fundamentals Chapter 5
- Werken op de command-line → Linux Fundamentals Chapter 6.1 + 6.5
- De plaats van bestanden op een Linux-systeem → Linux Fundamentals Chapter 9
- Werken met bestanden en directories → Linux Fundamentals Chapter 6.6 + 6.7 + 7.5
- Bestanden → Linux Fundamentals Chapter 7
- Pathname expansion → Linux Fundamentals Chapter 14
- Links → Linux Fundamentals Chapter 28

Hulp zoeken

`man …`	The manual page of a command or a configuration file or a daemons (= background program)
`man -k apropos`	Shows a list of man pages containing a string
`whereis`	The location of a manpage can be revealed with whereis

Werken op de command-line

`ls`	List the contents of a directory
	`-a: show all files, means including all hidden files`
	`-l: long listing`
	`-h: shows the file size in a more human readable format`

Werken met bestanden en directories

`mkdir`	To create a directory `-p: makedir will create parent directories as needed`
`rmdir`	To remove a directory `-p: makedir will recursively remove directories`

`rm`	To remove a file
	`-i: to prevent yourself from accidentally removing a file`
	`-r: remove directories and their contents recursively`

Bestanden

`touch`	A way to create a file
`echo`	Display a line of tekst
`cp`	Copy a file You can copy multiple files into a directory: the last argument must be a directory `-r: to copy complete directories (recursive copying of all files in all subdirectories)`
`mv`	To rename a file or to move a file to another directory

Pathname expansion

`*`	Any combination of characters (even none) . For example `ls file*`
`?`	Exactly one character. For example `ls file?`
`[]`	Matching any of the characters between []. For example `ls file[0-9]`. For example `ls file[!5]`

Links

- An inode is a data structure that contains metadata about of a file (not only the content is stored)
- Inode table contains all of the inodes and is created when you create the file
- Each inode has a unique number: the inode number
- A directory is a special kind of file that contains a table which maps filenames to inodes.
- When we create a hard link to a file, an extra entry is added in the directory. A new file name is mapped to an existing node.
- Symbolic links do not link to inodes, but create a name to name mapping

Links

`ln`	Create a hard link `-s: create a soft link`