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Find your Path in the Tree...



The absolute path for a file is the path you have to follow from the root to reach that file : /home/tp/data/RX/molrep/file1.csh

It always starts with a / (i.e. from the root)

Find your Path in the Tree...



The **relative** path for a file is the path you have to follow **from the place where you are** : .../.../data/RX/molrep/file1.csh

It never starts with a /

Find your Path in the Tree...



Useful commands :

pwd (Print Working Directory): shows where you are cd (Change Directory): go somewhere else ls (LiSt): list all files and folders

The shell in a nutshell

shell : the language for interacting with the system. Various flavors exist (sh, csh, tcsh, zsh, bash...). Mostly used in a terminal.

commands : tells the system what you want to do

command_name [options] arguments
 command_name [options] arguments &
getting help about a command:

man command_name Hit the TAB on the keybord : auto-completes commands or file/directory names.

Handling files and directories

pwd cd	
	o ,
<pre>mkdir: makes (creates) a directory</pre>	
ls	: lists files
	1s -1: lists files with their attributes
	ls -a: lists files, including hidden files
rm	: removes files
	<pre>rm -rf : removes files recursively, use with care !</pre>
	<pre>rmdir : removes an empty directory</pre>
ср	: copies file (cp file1 file2)
mv	: renames file (mv file1 file2)
ln	: creates link (ln -s file_name link_name)
•	: the current working directory
	: the directory above current working directory

If you feel like going home...



The homedir is the place you are in the tree when you log in (/home/tp) $\,$

Handling files and directories



Sending data in the pipe

Commands can be chained: the result of one command is used as the input of the next

grep toto file : display lines in file that contain toto

grep toto file | **grep tata**: among the lines that contain toto, display only those containing also tata

grep toto file | **grep tata** | **grep titi**: among the lines that contain toto and tata, display only those containing also titi

Some useful commands

top: dynamics lists of running processes

du / df: disk usage, available disk space

less: displays a file (less filename)

find: searches for a file (find . -name "*.img")

gedit: simple graphical text file editor

grep: find a word in a file

Sending data into > files

Normally, the result of a command is written to the screen (aka standatd output)

grep toto file : display on the screen lines in file that contain toto

grep toto file > result: do not display the result on the screen but place themn in a new file called result

grep toto file >> result: do not display the result on the screen but add them in the file called result