

# UNIX shell cheat sheet

The shell allows maintenance tasks, such creating, copying, moving, renaming,... of files and directories/ Among many other things, it also allows to search for files and contents of files.

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Focus	<code>cd</code>	change directory to the users home directory
Directory	<code>cd \$HOME</code>	change directory to the users home directory
	<code>cd ..</code>	change directory to the directory that is outside of the current one
	<code>mkdir directory1</code>	Create directory <code>directory1</code>
Manipulating	<code>mv file1 file2</code>	Rename file1 to file2, works also with directories
	<code>cp file1 file2</code>	Copy file1 to file2
	<code>cat file1 &gt; file2</code>	Copy file1 to file2 using pipelining
	<code>cat file1</code>	Show file1
	<code>less file1</code>	Show file1 with paging, leave this mode using <code>q</code> , Top is <code>g</code> , Bottom is <code>G</code> , paging is <code>&lt;spacebar&gt;</code>
	<code>nano file1</code>	Open text file editor (if all key-presses fail try <code>Cntrl-G</code> , or <code>Cntrl-C</code> )
finding	<code>find . -name file1</code>	find a file name starting in the current directory and all subdirectories
	<code>find dir1 -name file1</code>	find a file name starting in the directory <code>dir1</code>
	<code>find . -name '*fi*'</code>	find a file name containing the letters <code>fi</code> starting in the current directory
	<code>find . -name 'fi*'</code>	find a file name beginning with the letters <code>fi</code> starting in the current directory
	<code>grep "is this" file1</code>	find all lines in file1 that contain the text "is this"
	<code>grep "îs this" file1</code> <code>grep "[tT]his" file1</code>	find all lines in file1 that begin with "is this" find all lines in file1 that contain the text "this" or "This"
Changing text	<code>tr -s '\r\n' '\n' &lt; file1 &gt; file2</code>	Change all windows end-of-line characters to UNIX end-of-line characters but piping file1 to file2

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