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.

Focus Cd			
Cd \$HOME cd change directory to the users home directory to the current one of the cur	Focus	cd	change directory to the users home directory
cd change directory to the directory that is outside of the current one mkdir directory1	Directory	cd \$HOME	· ·
Manipulating mv file1 file2 Rename file1 to file2, works also with directories cp file1 file2 Copy file1 to file2 using pipelining cat file1 Show file1 with paging, leave this mode using q, Top is g, Bottom is G, paging is <spacebar> nano file1 Open text file editor (if all key-presses fail try Cntrl-G, or Cntrl-C) finding findname file1 find a file name starting in the current directory and all subdirectories find a file name containing the letters fi starting in the current directory find a file name beginning with the letters fi starting in the current directory find all lines in file1 that contain the text "is this" grep "[tt]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but</spacebar>	v	cd	change directory to the directory that is outside
Manipulating mv file1 file2 Copy file1 to file2, works also with directories cp file1 file2 Copy file1 to file2 using pipelining cat file1 > file2 Show file1 to file2 using pipelining show file1 less file1 Show file1 with paging, leave this mode using q, Top is g, Bottom is G, paging is <spacebar> nano file1 Open text file editor (if all key-presses fail try Cntrl-G, or Cntrl-C) finding findname file1 find a file name starting in the current directory and all subdirectories find a file name starting in the directory dir1 findname '*fi*' find a file name containing the letters fi starting in the current directory find a file name beginning with the letters fi starting in the current directory grep "is this" file1 find all lines in file1 that contain the text "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but</spacebar>			
cat file1 > file2 Copy file1 to file2 using pipelining cat file1 > file2 Show file1 less file1 Show file1 with paging, leave this mode using q, Top is g, Bottom is G, paging is <spacebar> namo file1 Open text file editor (if all key-presses fail try Cntrl-G, or Cntrl-C) finding findname file1 find a file name starting in the current directory and all subdirectories find dir1 -name file1 find a file name starting in the directory dir1 findname '*fi*' find a file name containing the letters fi starting in the current directory find a file name beginning with the letters fi starting in the current directory grep "is this" file1 starting in the current directory grep "find all lines in file1 that contain the text "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but</spacebar>		mkdir directory1	Create directory directory1
cat file1 > file2 Copy file1 to file2 using pipelining cat file1 Show file1 less file1 Show file1 with paging, leave this mode using q, Top is g, Bottom is G, paging is <spacebar> nano file1 Open text file editor (if all key-presses fail try Cntrl-G, or Cntrl-C) finding findname file1 find a file name starting in the current directory and all subdirectories find dir1 -name file1 find a file name starting in the directory dir1 findname '*fi*' find a file name containing the letters fi starting in the current directory find a file name beginning with the letters fi starting in the current directory grep "is this" file1 find all lines in file1 that contain the text "is this" grep "Is this" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters to UNIX end-of-line characters but</spacebar>	Manipulating	mv file1 file2	Rename file1 to file2, works also with directories
cat file1 less file1 Show file1 with paging, leave this mode using q, Top is g, Bottom is G, paging is <spacebar> nano file1 Open text file editor (if all key-presses fail try Cntrl-G, or Cntrl-C) finding findname file1 find a file name starting in the current directory and all subdirectories find dir1 -name file1 find a file name containing the letters fi starting in the current directory find a file name beginning with the letters fi starting in the current directory grep "is this" file1 grep "find all lines in file1 that contain the text "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters to UNIX end-of-line characters but</spacebar>	_	cp file1 file2	Copy file1 to file2
less file1 Show file1 with paging, leave this mode using q, Top is g, Bottom is G, paging is <spacebar> nano file1 Open text file editor (if all key-presses fail try Cntrl-G, or Cntrl-C) finding findname file1 find a file name starting in the current directory and all subdirectories find dir1 -name file1 find a file name starting in the directory dir1 find a file name containing the letters fi starting in the current directory find a file name beginning with the letters fi starting in the current directory find a file name beginning with the letters fi starting in the current directory find all lines in file1 that contain the text "is this" grep "is this" file1 find all lines in file1 that begin with "is this" find all lines in file1 that contain the text "this" or "This" This is the characters to UNIX end-of-line characters but or "this" characters to UNIX end-of-line characters but or "this" or "this" or "this in the current characters but or "this in the current characters or "this in the cu</spacebar>		cat file1 > file2	Copy file1 to file2 using pipelining
Top is g, Bottom is G, paging is <spacebar> nano file1 Find indname file1 Find dir1 -name file1 Find a file name starting in the current directory and all subdirectories Find dir1 -name file1 Find a file name starting in the directory dir1 find a file name containing the letters fi starting in the current directory find a file name beginning with the letters fi starting in the current directory grep "is this" file1 grep "îs this" file1 grep "îs this" file1 find all lines in file1 that contain the text "is this" grep "îs this" file1 find all lines in file1 that begin with "is this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but</spacebar>		cat file1	Show file1
nano file1 Open text file editor (if all key-presses fail try Cntrl-G, or Cntrl-C) finding findname file1 find a file name starting in the current directory and all subdirectories find dir1 -name file1 find a file name starting in the directory dir1 find a file name containing the letters fi starting in the current directory findname 'fi*' find a file name beginning with the letters fi starting in the current directory grep "is this" file1 find all lines in file1 that contain the text "is this" grep "[tT]his" file1 find all lines in file1 that begin with "is this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but		less file1	Show file1 with paging, leave this mode using q,
finding findname file1 find a file name starting in the current directory and all subdirectories find dir1 -name file1 find a file name starting in the directory dir1 findname '*fi*' find a file name containing the letters fi starting in the current directory findname 'fi*' find a file name beginning with the letters fi starting in the current directory grep "is this" file1 find all lines in file1 that contain the text "is this" grep "îs this" file1 find all lines in file1 that begin with "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters to UNIX end-of-line characters but			Top is g, Bottom is G, paging is <spacebar></spacebar>
finding findname file1 find a file name starting in the current directory and all subdirectories find dir1 -name file1 find a file name starting in the directory dir1 findname '*fi*' find a file name containing the letters fi starting in the current directory findname 'fi*' find a file name beginning with the letters fi starting in the current directory grep "is this" file1 find all lines in file1 that contain the text "is this" grep "fs this" file1 find all lines in file1 that begin with "is this" find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but		nano file1	Open text file editor (if all key-presses fail try
and all subdirectories find dir1 -name file1 find a file name starting in the directory dir1 findname '*fi*' find a file name containing the letters fi starting in the current directory findname 'fi*' find a file name beginning with the letters fi starting in the current directory grep "is this" file1 find all lines in file1 that contain the text "is this" grep "fs this" file1 find all lines in file1 that begin with "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but			Cntrl-G, or Cntrl-C)
find dir1 -name file1 find a file name starting in the directory dir1 findname '*fi*' find a file name containing the letters fi starting in the current directory findname 'fi*' find a file name beginning with the letters fi starting in the current directory grep "is this" file1 find all lines in file1 that contain the text "is this" grep "fis this" file1 find all lines in file1 that begin with "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but	finding	findname file1	find a file name starting in the current directory
findname '*fi*' find a file name containing the letters fi starting in the current directory findname 'fi*' find a file name beginning with the letters fi starting in the current directory grep "is this" file1 find all lines in file1 that contain the text "is this" grep "fs this" file1 find all lines in file1 that begin with "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but			and all subdirectories
in the current directory findname 'fi*' find a file name beginning with the letters fi starting in the current directory grep "is this" file1 find all lines in file1 that contain the text "is this" grep "îs this" file1 find all lines in file1 that begin with "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but		find dir1 -name file1	find a file name starting in the directory dir1
findname 'fi*' find a file name beginning with the letters fi starting in the current directory grep "is this" file1 find all lines in file1 that contain the text "is this" grep "îs this" file1 find all lines in file1 that begin with "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but		<pre>findname '*fi*'</pre>	find a file name containing the letters fi starting
starting in the current directory grep "is this" file1 find all lines in file1 that contain the text "is this" grep "îs this" file1 find all lines in file1 that begin with "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters to UNIX end-of-line characters but			in the current directory
grep "is this" file1 find all lines in file1 that contain the text "is this" grep "îs this" file1 find all lines in file1 that begin with "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters to UNIX end-of-line characters but		<pre>findname 'fi*'</pre>	find a file name beginning with the letters fi
this" grep "îs this" file1 find all lines in file1 that begin with "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters to UNIX end-of-line characters but			starting in the current directory
grep "îs this" file1 find all lines in file1 that begin with "is this" grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters to UNIX end-of-line characters but		grep "is this" file1	find all lines in file1 that contain the text "is
grep "[tT]his" file1 find all lines in file1 that contain the text "this" or "This" Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters but			this"
or "This" Changing text tr -s '\r\n', '\n' < file1 > file2: Change all windows end-of-line characters to UNIX end-of-line characters but		grep "îs this" file1	find all lines in file1 that begin with "is this"
Changing text tr -s '\r\n' '\n' < file1 > file2: Change all windows end-of-line characters to UNIX end-of-line characters but		<pre>grep "[tT]his" file1</pre>	find all lines in file1 that contain the text "this"
characters to UNIX end-of-line characters but			or "This"
	Changing text	tr -s '\r\ \overline{n} ' '\n' $<$ f	ile1 > file2: Change all windows end-of-line
piping file1 to file2			characters to UNIX end-of-line characters but
r-r0			piping file1 to file2