Shell Cheatsheet

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1   Files & Directories

`\`	root directory
`~`	home directory
`.`	current directory
`..`	parent directory
`cat a`	print a (a is a file)
`cd dir/`	go to dir/
`cd ..`	go to parent dir
`pwd`	print current dir
`cp a b`	copy a to b
`cp a dir/`	copy a into dir/
`cp -r sub/ dir/`	copy sub/ into dir/
`mv a b`	rename a to b
`mv a dir/`	move a into dir/
`mv sub/ dir/`	move sub/ into dir/
`rm a`	remove a
`rm -r dir/`	remove dir/
`ls`	list files
`ls -a`	list files, incl. hidden
`ls -l`	list files, show details
`ls dir/`	list files under dir/
`mkdir dir/`	create dir/
`mkdir -p dir/sub/`	create dir/sub/ directly

2   Utilities

`head -n 5 a`	print first 5 lines of a
`grep pattern files`	grep for pattern in files
`grep -i`	ignore case
`grep -v`	invert match
`grep -o`	only show matched part
`grep -E`	extended regex
`sort file`	sort lines in file
`sort -f`	ignore case
`sort -n`	numerical order
`sort -r`	reverse
`uniq`	remove duplicate lines
`comm -12 a b`	print lines in both a and b
`diff a b`	difference between a and b

3   Ctrl+

`W`	delete one word to the left
`U`	delete everything to the left
`K`	delete everything to the right
`7`	undo
`C`	abort
`R`	search history
`L`	clear screen

4   Regex (ERE)

`.`	any character
`\.`	literal dot
`[aeiou]`	any vowel
`[^aeiou]`	anything but a vowel
`[0-9]`	any digit
`[A-Za-z]`	any letter
`^`	beginning of line
`$`	end of line
`A?`	0 or 1 A
`A+`	≥ 1 A's
`A*`	≥ 0 A's
`A{,6}`	6 A's
`A{,6}`	0–6 A's
`A{4,6}`	4–6 A's
`(ls|cd|rm)`	one of ls, cd, and rm
`\w`	letters, digits, _
`\s`	whitespace
`\b`	boundary of word
`\W \S \B`	invert \w \s \b