Regular Expressions Cheat Sheet by DaveChild [http://www.cheatography.com/davechild/]

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A quick reference guide for regular expressions (regex), including symbols, ranges, grouping, assertions and some sample patterns to get you started.

Regular Expressions Anchors

٨	Start of string, or start of line in multi-line pattern
\A	Start of string
\$	End of string, or end of line in multi-line pattern
$\backslash Z$	End of string
\b	Word boundary
\B	Not word boundary
\<	Start of word
\>	End of word

Regular Expressions Character Classes

	•
\c	Control character
\s	White space
\S	Not white space
\d	Digit
\D	Not digit
\w	Word
\W	Not word
\x	Hexadecimal digit
\O	Octal digit

Regular Expressions Quantifiers

*	0 or more
+	1 or more
?	0 or 1
{3}	Exactly 3
{3,}	3 or more
{3,5}	3, 4 or 5

Add a ? to a quantifier to make it ungreedy.

Regular Expressions Escape Sequences

Regular I	Expression Commo	characters
٨	[
\$	{	*
(\	+
)	I	?
<	>	

Regular Expressions Special Characters

\n	New line
\r	Carriage return
\t	Tab
\v	Vertical tab
\f	For m feed
\xxx	Octal character xxx
∖xhh	Hex character hh

Regular Expressions Groups and Ranges

	Any character except new line (\n)
(a b)	a or b
()	Group
(?:)	Passive (non-capturing) group
[abc]	Range (a or b or c)
[^abc]	Not a or b or c
[a-q]	Letter from a to q
[A-Q]	Upper case letter from A to Q
[0-7]	Digit from 0 to 7
\n	nth group/subpattern

Ranges are inclusive.

Regular Expressions Pattern Modifiers

- 5	
g	Global match
i	Case-insensitive
m	Multiple lines
S	Treat string as single line

x Allow comments and white space in pattern

e Evaluate replacement

U Ungreedy pattern

Regular Expressions String Replacement

\$n	nth non-passive group
\$2	"xyz" in /^(abc(xyz))\$/
\$1	"xyz" in /^(?:abc)(xyz)\$/
\$`	Before matched string
\$'	After matched string
\$+	Last matched string
\$&	Entire matched string

Some regex implementations use \setminus instead of \$.

Regular Expressions POSIX

[:upper:]	Upper case letters
[:lower:]	Lower case letters
[:alpha:]	All letters
[:alnum:]	Digits and letters
[:digit:]	Digits
[:xdigit:]	Hexadecimal digits
[:punct:]	Punctuation
[:blank:]	Space and tab
[:space:]	Blank characters
[:cntrl:]	Control characters
[:graph:]	Printed characters
[:print:]	Printed characters and spaces
[:word:]	Digits, letters and underscore

Regular Expressions Assertions

5/13/2014

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?= Lookahead assertion ?! Negative lookahead Lookbehind assertion ?<= 71= or 7<1 Negative lookbehind Once-only Subexpression ?> ?() Condition [if then] Condition [if then else] ?()|

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[/doug/] Doug [/doug/] , 10:02 28 Nov 11 [http://www.cheatography.com/davechild/cheat-sheets/regular-

expressions/#comment14]

Your regex cheatsheet says ^ is "Start of string" and \$ is "End of string"



[/davechild/] DaveChild [/davechild/], 10:02 28 Nov 11

[http://www.cheatography.com/davechild/cheat-sheets/regular-expressions/#comment18]

Hi Doug. I've clarified that section. Thanks for the heads up:)



[//] [//], 10:02 28 Nov 11 [http://www.cheatography.com/davechild/cheat-sheets/regular-

expressions/#comment461

It looks unchanged to me. A still says it's "start of string" and \$ still says "end of string". They should be



[//] [//] , 10:02 28 Nov 11 [http://www.cheatography.com/davechild/cheat-sheets/regular-

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