

REGULAR EXPRESSION CHEATSHEET

From re package in Python

BASICS

a	The character a
abc	The string abc
\	Escape following character

CHARACTER CLASSES

\w	A word character
\W	Not a word character
\d	A digit character
\D	Not a digit character
\s	A white space
\S	Not a white space
.	Any character except \n

SPECIAL CHARACTERS

\n	Newline
\t	Tab
\r	Carriage return

[See the full re package documentation](#)

QUANTIFIERS

*	0 or more
+	1 or more
?	0 or 1
{7}	Exactly 7
{2, 7}	From 2 to 7
{7,}	At least 7
{,7}	At most 7

ASSERTIONS

^	Start of string
\A	Start of string ignored by M flag
\$	End of string
\Z	End of string ignored by M flag
\b	Word boundary
\B	Not word boundary
(?=...)	Positive lookahead
(?!...)	Negative lookahead
(?<=...)	Positive lookbehind
(?<!...)	Negative lookbehind
(?#...)	Comment

RANGES

[abc]	a or b or c
[^abc]	Not a or b or c
[d-k]	Lowercase from d to k
[D-K]	Uppercase from D to K
[2-7]	Digit from 2 to 7

GROUPS

(...)	Group
(?:...)	Non-capturing group
(abc def)	abd or def
(?P<Y>...)	Capture group named Y
(?P=Y)	Match named group Y in pattern
\g<x>	Insert xth group in repl pattern
\g<Y>	Insert Y named group in repl pattern

FLAGS

I	Ignore case sensitive
M	Allow multilines
X	Allow comments and spaces

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