REGULAR EXPRESSION CHEAT SHEET

created by si9ma

Basic

Character classes

any character except newline	.
word ⟺ not word	\w ⟺ \W
digit ⟺ not digit	\d ⟺ \D
whitespace ⟺ not whitespace	\s ⟺ \S
word boundary ⟺ not-word boundary	\b ⟺ \B
any of a, b, or c	[abc]
not a, b, or c	[^abc]
character between a & g	[a-g]
number between 0 & 9	[0-9]

Anchors

start of line	^ ⟹ ^abc
end of line	$ ⟹ abc$

Escaped characters

escaped special characters	\. * \\
tab	\t
linefeed	\n
carriage return	\r

Groups

capture group	( ) ⟹ (abc)
backreference to group #1	\1
non-capturing group	(?:) ⟹ (?:abc)

Quantifiers & Alternation

0 or more	a* ⇌ a{,}
1 or more	a+ ⇌ a{1,}
0 or 1	a? ⇌ a{,1}
exactly five	a{5}
two or more	a{2,}
between one & three	a{1,3}
match as few as possible (lazy match)	a+? a{2,}?
match ab or cd	| ⟹ ab|cd

Advanced

Lookaround

positive lookahead	(?=abc)
negative lookahead	(?!abc)
positive lookbehind	(?<=abc)
negative lookbehind	(?<!abc)

Example

example

match phone number of china
\b \d {11} \b ↩
match ip
\b (?: \d {1,3} \.){3} \d {1,3} \b ↩