Regular Expressions - Quick Reference Guide



Anchors			
^	start of line		
\$	end of line		
\b	word boundary		
\B	not at word boundary		
۱A	start of subject		
\G	first match in subject		
\z	end of subject		
١Z	end of subject		
9	or before newline at end		

Non-printing characters			
\a	alarm (BEL, hex 07)		
/c×	"control-x"		
\e	escape (hex 1B)		
\f	formfeed (hex 0C)		
\n	newline (hex 0A)		
\r	carriage return (hex OD)		
\t	tab (hex 09)		
\ddd	octal code ddd		
\xhh	hex code hh		
\x{hhh}	hex code hhh		

Gener	ic character types
\d	decimal digit
\D	not a decimal digit
\s	whitespace character
\S	not a whitespace char
\w	"word" character
\W	"non-word" character

POSIX	character classes
alnum	letters and digits
alpha	letters
ascii	character codes 0-127
blank	space or tab only
cntrl	control characters
digit	decimal digits
graph	printing chars -space
lower	lower case letters
print	printing chars +space
punct	printing chars -alnum
space	white space
upper	upper case letters
word	"word" characters
xdigit	hexadecimal digits

Named

Literal Characters Letters and digits match exactly Some special characters match exactly Escape other specials with backslash	a x B 7 0 @ - = % \. \\ \\$ \[
Character Groups Almost any character (usually not newline) Lists and ranges of characters Any character except those listed	[[]] [^]]
Counts (add? for non-greedy) 0 or more ("perhaps some") 0 or 1 ("perhaps a") 1 or more ("some") Between "n" and "m" of Exactly "n", "n" or more	* ? + {n,m} {n}, {n,}
Alternation Either/or	
Lookahead and Lookbehind Followed by NOT followed by Following NOT following	(?=[]) (?<=[]) (? [])</td
Grouping For capture and counts Non-capturing Named captures	([]) (?:[]) (? <name>[])</name>
Back references Numbered Relative	\n \gn \g{n} \g{-n}

Character group contents				
X	individual chars			
х-у	character range			
[:class:]	posix char class			
[^:class:]	negated class			

Examples	
[a-zA-Z0-9_]	
[[:alnum:]_]	

(?#comment)
Conditional subpatterns
(?(condition)yes-pattern) (?(condition)yes no-pattern)

Recursive	patterns
(?n)	Numbered
(?0) (?R)	Entire regex

reference capture

Named
s

Case	fo	ldi	ina	s	

Casc	roranigo
\u	upper case next char
\U	upper case following
\I	lower case next char
\L	lower case following
\E	end case folding

Conditional	insertions

(?n:insertion) (?n:insertion:otherwise)

\k<name>