Regular Expressions - Quick Reference Guide



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

Non-printing characters \a alarm (BEL, hex 07) \cx "control-x" \e escape (hex 1B) \f formfeed (hex 0C) \n newline (hex 0A) \r carriage return (hex OD) tab (hex 09) \ddd octal code ddd

ν ξιιιιι	Tiex code IIIII
Generi	c 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

hex code hh

hey code hhh

\xhh

\v\fhhh \

non-word character
character classes
letters and digits
letters
character codes 0-127
space or tab only
control characters
decimal digits
printing chars -space
lower case letters
printing chars +space
printing chars -alnum
white space
upper case letters
"word" characters
hexadecimal digits

Literal Characters a x B 7 0 Letters and digits match exactly Some special characters match exactly @ - = % \. \\ \\$ \[Escape other specials with backslash

[^|||

 $\{n,m\}$

(?=[])

(?!

(?<=[])

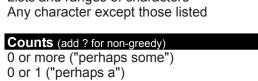
(?<!||)||

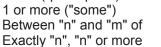
(?<name> |||)

() $(?: \square)$

 $\{n\}, \{n,\}$

Character Groups Almost any character (usually not newline) Lists and ranges of characters





Alternation Fither/or

Following

NOT following

Followed by
NOT followed by

Grouping
For capture and counts
Non-capturing
Named captures
·

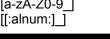
васк	retere	ences
Numb	ered	

ouch references	
lumbered	\n \gn \g{n}
Relative	\g{-n}
lamed	\k <name></name>

Charact	er group contents
X	individual chars
x- y	character range

/ /	individual criais
х-у	character range
[:class:]	posix char class
[^:class:]	negated class

.ciass.j	negateu
Examples	
[0 -4 70 0	1



Comments

?#comment)	
Conditional subpatterns	
?(condition)ves-pattern)	

(?(condition)yes|no-pattern)

Recursive p	oatterns
(?n)	Numbered
(?0) (?R)	Entire regex
(?&name)	Named

Named

Rep	lacements	
\$n	reference	capture

Case	foldings
\u	upper ca
\	unnorgo

\u	upper case next chai	
\U	upper case following	
\	lower case next char	
\L	lower case following	
١F	end case folding	

Conditional insertions

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