SYNTAX	MEANING	EXAMPLE	MATCH	DOES NOT MATCH
WILDCARD				
.\	**Any character**	goog.l	google	gogle
*	**Zero or more of previous item**	goo*gle	gogle, gooooooooogle	goggle
.*	**Matches everything.** *The dot-star pattern is one of the most permissive because it matches zero or more occurrences of any character*	croud.*badge	croud analytics badge	
|	**Or** *The vertical bar, or "Pipe" separates two or more alternatives*	web|analyst	web, website, analyst	analytics
?	**Zero or one times of previous item.** *Think of this as "the preceding item is optional".*	colou?r	color, colour	
+	**One or more times of previous item**	web+2	web2, webb2	we2
\	**Escape meta-characters** *Think of this as taking the following character literally instead of its reserved meaning within regex.*	www\.google\.com	www.google.com	

ANCHORS				
^	**Begins with** *May appear at the beginning of a pattern to require the match to occur at the very beginning of a line.*	^web analyst	web analyst	online web analyst
$	**Ends with** *May appear at the end of a pattern to require the match to occur at the very end of a line.*	web analyst$	online web analyst	web analyst skills

Advanced Tips

- *The two anchors may be combined. For example, ^abc$ matches only abc (i.e. there must be no other characters before or after it).*

GROUPING

[abc]	**Range (a, b or c)** *The square brackets enclose a list or range of characters (or both)*	analy[zs]e	analyze, analyse	analyxe
[a-z]	**Range (a to z)**	goog[1-3]	goog1, goog2, goog3	goog4
{a}	**Exactly “a” times**	z{3}	zzz	z, zz
{min,max}	**From “min” to “max” times**	z{1-3}	z, zz, zzz	zzzz
{a,}	**At least “a” times**	go{2,}gle	google, gooogle	e ggle, gogle
()	**Group**	^(goog|web)[0-9]+	goog1, web2	gooog2

Advanced Tips

- *Use () to determine the order of evaluation. For example, (Sun|Mon|Tues|Wednes|Thurs|Fri|Satur)day matches the name of any day.*

- _Apply *, ?, +, or {min,max} to a series of characters rather than just one. For example, (abc)+ matches one or more occurrences of the string "abc"; thus it matches abcabc123 but not ab123 or bc123._

OTHER CHARACTERISTICS (ADVANCED)

\d	**Digit character** *Matches any single digit (equivalent to the class [0-9]). This and the characteristics can also be used inside a class; for example, [\d.-] means "any single digit, period, or minus sign".*
\D	**Non-digit character**
\s	**White space** *Matches any single whitespace character, mainly space, tab, and newline*
\S	**Non-white space** *Matches any non-whitespace character*
\w	**Word** *Matches any single "word" character, namely alphanumeric or underscore. This is equivalent to [a-zA-Z0-9_].*
\W	**Non-word (e.g. punctuation)** *Matches any "non-word" character*