

## Regular Expressions Cheat Sheet

Wildcards	
.	Any character
\w	Word character: Letters, numbers, and _
\W	Non-word character
\s	White space: Space, tab, or end of line (EOL)
\S	Non-white space character
\d	Digit character (but not . in 2.4)
\D	Non-digit character
\t	Tab character
\n	Newline character (some use \r)
\\	\ is the escape character so \\ matches a \, \^ matches ^, etc.

Repetitions	
*	Match 0 or more times
+	Match 1 or more times
?	Non-greedy-get shortest match
{n}	Match exactly n times
{n,}	Match at least n times
{n,m}	Match at least n, but not more than m times

Character classes	
[AEIOU]	Match 1 vowel character
[A-Z]	Match on capital letter
[A-Za-z0-9_]	Same as \w
^[A-Za-z]	Match one letter at beginning of string/line
[^A-Za-z]	Match any character that is not a letter (including EOL)—NOTE the very different meaning of ^ here. Within [], ^ means NOT.

Boundary qualifiers	
^	Match at start of string/line
\$	Match at end of string/line
^ABC\$	Exact match to ABC—Both starts and ends in ABC

Capturing and replacing	
( )	Capture the search results between the parentheses and save for use. Save in order of appearance of ( if multiple or nested.
\$1	Variables containing the captured text numbered in order of (. Can be used for replacing. Some editors (BBEdit) use \1, \2, etc.
\$2	

Some Examples	
<i>This is 1.0 (one) line to play with</i>	
Pattern	Matches:
\w*	<i>This</i>
\d+	<i>1</i>
[0-9\.]	<i>1.0</i>
((\w*)\s(\w*))	\$1= <i>This is</i> , \$2= <i>This</i> , \$3= <i>is</i> (or \1,\2,\3 in BBEEdit)
\w*\$	<i>With</i>
"is "{2}	<i>is is</i> (from <i>This is</i> )
\(.+\)	<i>(one)</i> (note the escaping of parentheses)
\w+?	<i>T</i> (note the non-greediness of ?)
\w*?	Blank match (why?)