

### Character Classes

[abc]	any of these characters (a or b or c)
[^abc]	not any of these characters (not a or b or c)
[a-c]	any characters in the range (a through c)
[^a-c]	not any characters in this range (not a through c)
(X Y)	X or Y

### Predefined Character Classes

.	any character
\d	a digit: [0-9]
\D	a non-digit: [^0-9]
\s	a whitespace character: " " (space), \r (the carriage return), \n (newline), \t (tab), and \f (the form feed)
\S	a non-whitespace character: [^\s]
\w	a word character: [a-zA-Z0-9_]
\W	a non-word character: [^\w]

### Boundaries

^	the beginning of the line
\$	the end of the line
\b	a word boundary
\B	a non-word boundary
boundaries - do not select any characters but sets pattern to some edge	

### Quantifiers

X*	0 or more repetitions of X
X+	1 or more repetitions of X
X?	0 or 1 instance of X
X{m}	exactly m instances of X
X{m, }	at least m instances of X
X{m,n}	between m and n (inclusive) instances of X
use ( . . . ) parenthesis to group things you want to find repetitions of	

### Groups & References

( . . . )	defines/captures a group
\1	contents of group 1
\2	contents of group 2
\$1	replace with group 1
\$2	replace with group 2
ex: <code>.replace( / regExp /, \$2)</code> {replaces regular expressions with group 2}	

### Metacharacters

(	)	^	\$
[	]	.	\
{	}	*	
<	>	+	?
special characters to be escaped with \			



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Page 1 of 1.

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