

Anchors	
^	Start of a string, or start of a line in a multi-line pattern
\$	End of string, or end of a line in a multi-line pattern
\A	Start of string
\Z	End of string
\b	Word boundary
\B	Not word boundary
\<	Start of word
\>	End of word
^\s+	Matches leading whitespace(s)
\s+\$	Matches trailing whitespace(s)

Character Classes	
\c	Control Character
\s	White space
\S	Not white space
\d	Digit
\w	Word
\W	Not word
\x	Hexadecimal digit
\O	Octal digit

Quantifiers	
*	0 or more
+	1 or more
?	0 or 1
{n}	Exactly n times
{n,}	n or more times
{n,m}	n to m (inclusive of m)

Special Characters	
\n	New line
\r	Carriage return
\t	Tab
\v	Vertical tab
\f	Form feed
\xxx	Octal character xxx
\xhh	Hex character hh

Escape Sequences	
\	Escape the following character
\Q	Begin literal sequence
\E	End literal sequence

Escaping is used for literal matching by escaping the protected meaning of metacharacters

Groups and Range	
.	Any character except new line (\n)
(a b)	a or b
(...)	Grouping
(?...)	Passive (non-capturing) group
[abc]	Range (a or b or c)
[^abc]	Not within this range (not a or b or c)
[a-z]	Range of a to z
[A-Z]	Range of A to Z
[0-9]	Range of 0 to 9

Ranges are inclusive, and do not require the use of commas. For example, [1-479] is understood to be 1 to 4 or 7 or 9.

Assertions	
?=	Look ahead assertion
? 	Negative look ahead
?<=	Look behind assertion
?!= or ?<!	Negative look behind
?>	Once-only sub-expression
?()	Condition (if then)
?{ } 	Condition (if then else)
?#	Comment