

Character Classes	
[abc]	A single character of: a, b or c
[^abc]	A character except: a, b or c
[a-z]	A character in the range: a-z
[^a-z]	A character not in the range: a-z
[0-9]	A digit in the range: 0-9
[a-zA-Z]	A character in the range: a-z or A-Z
[a-zA-Z0-9]	A character in the range: a-z, A-Z or 0-9

Quantifiers	
a?	Zero or one of a
a*	Zero or more of a
a+	One or more of a
[0-9]+	One or more of 0-9
a{3}	Exactly 3 of a
a{3,}	3 or more of a
a{3,6}	Between 3 and 6 of a
a*	Greedy quantifier
a*?	Lazy quantifier
a*+	Possessive quantifier

Anchors	
^	Start of string
\$	End of string

Common Metacharacters		
^	{	+
<	[*
)	>	.
(\$
\	?	
Escape these special characters with \		

Meta Sequences	
.	Any single character
\s	Any whitespace character
\S	Any non-whitespace character
\d	Any digit, Same as [0-9]
\D	Any non-digit, Same as [^0-9]
\w	Any word character
\W	Any non-word character
\	Makes any character literal

Substitution	
\0	Complete match contents
\1	Contents in capture group 1
\$1	Contents in capture group 1
\${foo}	Contents in capture group foo
\t	Tab
\r	Carriage return
\n	Newline

Group Constructs	
(...)	Capture everything enclosed
(a b)	Match either a or b
(?:...)	Match everything enclosed
(?>...)	Atomic group (non-capturing)
(? ...)	Duplicate subpattern group number
(?#...)	Comment
(?'name'...)	Named Capturing Group
(?<name>...)	Named Capturing Group
(?P<name>...)	Named Capturing Group