Metacharacters

. ^ \$ * + ? | () { } []

Escape these characters with a backslash (\backslash) to match them literally.

Expression	Meaning
	any character except new line
abc	"abc"
[a-e]	characters "a" to "e"
^abc	"abc" at the beginning of line
abc\$	"abc" at the end of line
a*	"a" zero or more times
a+	"a" one or more times
a?	"a" (optional) one or more times
a{3}	"a" exactly three times
$a{2,4}$	"a" two to four times

Expression	Meaning
\d	number $(0-9)$
\w	alphanumeric (a-z, A-Z, 0-9, _)
\s	whitespace
\D	no number
/W	no alphanumeric
\S	no whitespace
[abc]	"a" or "b" or "c"
[^abc]	not "a" or "b" or "c"

Groups		
Expression	Meaning	
(abc)	group "abc"	
alb	"a" or "b"	
(ab cd)	"ab" or "cd"	
(?:abc)	group without capturing	

Expression	Meaning
(?=abc)	Lookahead: followed by "abc"
(?!abc)	Negative Lookahead: not followed by "abc"
(?<=abc)	Lookbehind: after "abc"
(? abc)</td <td>Negative Lookbehind: not after "abc"</td>	Negative Lookbehind: not after "abc"

Examples

Input: The quick brown fox jumps over the lazy \log .

Expression	Result
fox	The quick brown fox jumps
	over the lazy dog.
^The	The quick brown fox jumps
	over the lazy dog.
dog.\$	The quick brown fox jumps
	over the lazy <mark>dog.</mark>
a*	The quick brown fox jumps
	over the l <mark>a</mark> zy dog.
over.*	The quick brown fox jumps
	over the lazy dog.
\.	The quick brown fox jumps
	over the lazy dog <mark>.</mark>
\s	The quick brown fox jumps
	over <mark>the</mark> lazy <mark>d</mark> og.
o(?=x)	The quick brown f <mark>o</mark> x jumps
	over the lazy dog.