

Table O.1 Regular expressions in Perl.

<i>Syntax</i>	<i>Name</i>	<i>Description</i>
<i>abc</i>	Concatenation	Matches <i>a</i> , then <i>b</i> , then <i>c</i> , where <i>a</i> , <i>b</i> , and <i>c</i> are any regexs
<i>a b c</i>	Union (Or)	Matches <i>a</i> or <i>b</i> or <i>c</i> , where <i>a</i> , <i>b</i> , and <i>c</i> are any regexs
<i>a*</i>	Kleene star	Matches 0 or more <i>a</i> 's, where <i>a</i> is any regex
<i>a+</i>	At least one	Matches 1 or more <i>a</i> 's, where <i>a</i> is any regex
<i>a?</i>		Matches 0 or 1 <i>a</i> 's, where <i>a</i> is any regex
<i>a{n, m}</i>	Replication	Matches at least <i>n</i> but no more than <i>m</i> <i>a</i> 's, where <i>a</i> is any regex
<i>a*?</i>	Parsimonious	Turns off greedy matching so the shortest match is selected
<i>a+?</i>	"	"
.	Wild card	Matches any character except newline
^	Left anchor	Anchors the match to the beginning of a line or string
\$	Right anchor	Anchors the match to the end of a line or string
[a-z]		Assuming a collating sequence, matches any single character in range
[^a-z]		Assuming a collating sequence, matches any single character not in range
\d	Digit	Matches any single digit, i.e., string in [0-9]
\D	Nondigit	Matches any single nondigit character, i.e., [^ 0-9]
\w	Alphanumeric	Matches any single "word" character, i.e., [a-zA-Z0-9]
\W	Nonalphanumeric	Matches any character in [^a-zA-Z0-9]
\s	White space	Matches any character in [space, tab, newline, etc.]
\S	Nonwhite space	Matches any character not matched by \s
\n	Newline	Matches newline
\r	Return	Matches return
\t	Tab	Matches tab
\f	Formfeed	Matches formfeed
\b	Backspace	Matches backspace inside []
\B	Word boundary	Matches a word boundary outside []
\b	Nonword boundary	Matches a non-word boundary
\0	Null	Matches a null character
\ <i>nnn</i>	Octal	Matches an ASCII character with octal value <i>nnn</i>
\ <i>xnn</i>	Hexadecimal	Matches an ASCII character with hexadecimal value <i>nn</i>
\c <i>X</i>	Control	Matches an ASCII control character
\ <i>char</i>	Quote	Matches <i>char</i> ; used to quote symbols such as . and \
(<i>a</i>)	Store	Matches <i>a</i> , where <i>a</i> is any regex, and stores the matched string in the next variable
\1	Variable	Matches whatever the first parenthesized expression matched
\2		Matches whatever the second parenthesized expression matched
...		For all remaining variables