

Commonly Used Regular Expressions

<i>Regular Expression</i>	<i>Matches</i>	<i>Example</i>
.	any single character	Java matches J..a
(ab cd)	ab or cd	ten matches t(en im)
[abc]	a, b, or c	Java matches Ja[uvw]a
[^abc]	any character except a, b, or c	Java matched Ja[^ars]a
[a-z]	a through z	Java matches [A-M]av[a-d]
[^a-z]	any character except a through z	Java matches J]av[^b-d]
[a-e[m-p]]	a through e or m through p	Java matches [A-G[I-M]]av[a-d]
[a-e&&[c-p]]	intersection of a-e with c-p	Java matches [A-P&&[I-M]]av[a-d]
\d	a digit, same as [0-9]	Java2 matches "Java[\d]"
\D	a non-digit	\$Java matches "[\\D][\\D]ava"
\w	a word character	Java1 matches "[\\w]ava[\\w]"
\W	a non-word character	\$Java matches "[\\W][\\W]ava"
\s	a whitespace character	"Java 2" matches "Java\\s2"
\S	a non-whitespace character	Java matches "[\\S]ava"
<i>p</i> *	zero or more occurrences of pattern <i>p</i>	aaaabb matches "a*bb" ababab matches "(ab)*"
<i>p</i> +	one or more occurrences of pattern <i>p</i>	a matches "a+b*" able matches "(ab)+.*"
<i>p</i> ?	zero or one occurrence of pattern <i>p</i>	Java matches "J?Java" Java matches "J?ava"
<i>p</i> { <i>n</i> }	exactly <i>n</i> occurrences of pattern <i>p</i>	Java matches "J{1}.*" Java does not match ".{2}"
<i>p</i> { <i>n</i> ,}	at least <i>n</i> occurrences of pattern <i>p</i>	aaaa matches "a{1,}" a does not match "a{2,}"
<i>p</i> { <i>n</i> , <i>m</i> }	between <i>n</i> and <i>m</i> occurrences (inclusive)	aaaa matches "a{1,9}" abb does not match "a{2,9}bb"