

1 RegEx

Quantor	Description
?	none or exactly one occurrence of the preceding character
*	zero or more repetitions
+	One or more repetitions
{n,m}	Between n and m repetitions
{n}	Exactly n repetitions

Tabelle 1: Quantors in Regular Expressions

Expression	Examples of Matches	Description
[abc]	'a', 'b', 'c'	one character: a, b, or c
(ab cd)	'ab' or 'cd'	denotes örof character strings
[a-z]	'a', 'b', ..., 'z'	lowercase letter - be careful with umlauts!
[a-zäöüß]	'a', 'z', 'ö', 'ü'	Lowercase letter including umlauts
[A-Za-z]*	'hello', 'why', 'aaBBcc', ''	Zero or more repetitions of upper or lower case letters
[0-9]+	'1', '2434', '76553'	one or more repetitions of digits
[0-9]?	'', '0', '5'	none or one digit
[0-9]{4}	'3415', '5423'	four-digit sequence of digits
.*	'', 'so that', 'hello123'	Any character string (may also be empty)
I.+[Ll]ove	'I absolutely Love', 'I secretly love'	'I', any non-empty sequence of characters, 'Love' or 'love'
D[^o]g	'Dig', but not 'Dog'	[^o] stands for "not o"

Tabelle 2: Examples of Regular Expressions