

Regular Expressions:

List of all metacharacters: . ^ \$ * + ?] [\ | () { }

Operator	Description
.	Matches any character except \n
\	Escapes metacharacters
	Matches expression on either side of expression; has lowest priority of any operator
\d, \w, \s	Predefined character group of digits (0-9), alphanumerics (a-z, A-Z, 0-9, and underscore), or whitespace, respectively
\D, \W, \S	Inverse sets of \d, \w, \s, respectively
*	Matches preceding character/group zero or more times
?	Matches preceding character/group zero or one times
+	Matches preceding character/group one or more times
*?, +?	Applies non-greedy matching to * and +, respectively
{m}	Matches preceding character/group exactly m times
{m, n}	Matches preceding character/group at least m times and at most n times; if either m or n are omitted, set lower/upper bounds to 0 and ∞ , respectively
^, \$	Matches the beginning and end of the line, respectively
[]	Matching group used to match any of the specified characters or range (e.g. [abcde]) [a-e])
()	Capturing group used to create a sub-expression
[^]	Invert matching group; e.g. [^a-c] matches all characters except a, b, c

Regex String Matching:

Function	Description
re.match(pattern, string)	Returns a match if zero or more characters at beginning of string matches pattern, else None
re.search(pattern, string)	Returns a match if zero or more characters anywhere in string matches pattern, else None
re.findall(pattern, string)	Returns a list of all non-overlapping matches of pattern in string (if none, returns empty list)
re.sub(pattern, repl, string)	Returns string after replacing all occurrences of pattern with repl