

Syntax

.	Wildcard
^	Start of a string
\$	End of a string
x*	0+ repetitions of x
x+	1+ repetitions of x
x?	0-1 repetitions of x
x{m}	m repetitions of x
x{m,n}	m-n repetitions of x, greedy
x{m,n}?	m-n repetitions of x, non-greedy
x y	x OR y
[^x]	NOT x
\a	Literal 'a'
x*{int}	'x*' must be int long
< x > < y >	Collocations of x and y
>	
<x> (<y>)	Only returns y

Whitespace characters

\n	newline
\s	space
\t	tab
\e	escape
\r	return

Functions

search()	Somewhere in string
findall()	Somewhere in the string, non-overlapping
match()	Beginning of string
fullmatch()	Entire string
Arguments: pattern, string, <flag=0>	

Special escape characters

\A	IS at start of string
\b	IS at wordbreak
\B	NOT at wordbreak
\d	IS [0-9]
\D	NOT [0-9]
\s	White space characters
\S	NOT white space characters
\w	IS Unicode word character [a-zA-Z0-9_]
\W	NOT Unicode word character
\Z	IS at end of string

.format

{:n}'.format(x)	Prints x, padded with n whitespace
{:<n}	Left justified
{:>n}	Right justified
{:.nf}	Show n decimal places
{:width}'.format('x', width=n)	

Hierarchy

1	Parenthesis	()
2	Counters	* + ? { }
3	Sequences and anchors	^ \$
4	Disjunction	

Flags

re.I	re.IGNORECASE	
re.M	re.MULTILINE	^ \$ match line boundaries
re.X	re.VERBOSE	Ignores whitespace



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