Python Regular Expressions Cheat Sheet

by Chimichangasguy via cheatography.com/67347/cs/16902/

Definition

Regular expression is a tool for matching patterns in text. With the help of regular expression you can find, match and replace text in strings.

A regular expression is a special sequence of characters that helps you match or find other strings or sets of strings, using a specialized syntax held in a pattern.

Module name re is imported to be used.

White Space Characters

\n	Newline
\s	Space
\t	Tab
\e	Escape
\r	Return

Identifiers

\d	Any **single** character or number
\D	Anything but a number (non-digit character)
\s	Space
\S	Anything but a space
\w	Any character (A-Z, a-z, 0-9 and underscore)
\W	Anything but a character
.	Any **single** character except for a new line
\b	The white space around words
\.	A period

Functions

match()	Syntax - re.match(pattern, string, <flag=0>)
search()	For any pattern in the string - only the first match
findall()	Matches all occurrences
split()	Splits the string - forms an array
replace()	To replace one or more characters in a string

Modifiers

{x,y}	We expect x to y integers
+	Match one or more occurrences
?	Match 0 or 1 occurrence
*	Match 0 or more of the preceding expression (eg. x* will match occurr-ences of x)
$	Match the end of the string
^	Matching the beginning of a string
|	Used as OR
[]	Displaying a range
()	To group the regular expressions

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