

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 occurrences 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



By **Chimichangasguy**

cheatography.com/chimichangasguy/

Published 2nd September, 2018.

Last updated 2nd September, 2018.

Page 1 of 1.

Sponsored by **Readability-Score.com**

Measure your website readability!

<https://readability-score.com>