

## python regular expression (regex) Cheat Sheet by mutanclan (mutanclan) via cheatography.com/79625/cs/19404/

Special	characters
	Default: Match any character except newline
	DOTALL: Match any character including newline
٨	Default: Match the start of a string
٨	MULTILINE: Match immediatly after each newline
\$	Match the end of astring
\$	MULTILINE: Also match before a newline
*	Match 0 or more repetitions of RE
+	Match 1 or more repetitions of RE
?	Match 0 or 1 repetitions of RE
*?, *+, ??	Match non-greedy as <i>few</i> characters as possible
{m}	Match exactly <i>m</i> copies of the previous RE
{m,n}	Match from $m$ to $n$ repetitions of RE
{m,n}?	Match non-greedy
\	Escape special characters
	Match a set of characters
I	RE1 RE2: Match either RE1 or RE2 non-greedy
()	Match RE inside parantheses and indicate start and end of a group
	is the resulting regular expression.  characters must be escaped with \ if

it should match the character literally

Methods of 're	e'
re.compile( pattern, flags=0)	Compile a regular expression pattern into a regular expression object. Can be used with <i>match()</i> , <i>search()</i> and others
re.search( pattern, string, flags=0	Search through <i>string</i> matching the first location of the RE. Returns a <b>match object</b> or <b>None</b>
re.match( pattern, string, flags=0)	If zero or more characters at the beginning of a string match <i>pattern</i> return a <b>match object</b> or <b>None</b>
re.fullmatch( pattern, string, flags=0)	If the whole <i>string</i> matches the <i>pattern</i> return a <b>match object</b> or <b>None</b>
re.split( pattern, string, maxsplit=0, flags=0)	Split string by the occurrences of pattern maxsplit times if non-zero. Returns a <b>list</b> of all groups.
re.findall( pattern, string, flags=0)	Return all non-overlapping matches of <i>pattern</i> in <i>string</i> as <b>list</b> of strings.
re.finditer( pattern, string, flags=0)	Return an <b>iterator</b> yielding <b>match objects</b> over all non-overlapping matches for the <i>pattern</i> in <i>string</i>

Methods of	're' (cont)
re.sub( pattern, repl, string, count=0, flags=0)	Return the <b>string</b> obtained by replacing the leftmost non-overlapping occurrences of pattern in string by the replacement repl. repl can be a function.
re.subn( pattern, repl, string, count=0, flags=0)	Like <b>sub</b> but return a tuple (new_string, number_of_subs_made)
re. <b>escape</b> ( pattern)	Escape special characters in pattern
re. <b>purge</b> ()	Clear the regular expression cache
import re	

D	String		4:
Raw		попа	1110111

need to escape the backslash character
again.
>>> re.match(r"\W(.)\1\W", " ff
")
<re.Match object; span=(0, 4),
match=' ff '>
>>> re.match("\\W(.)\\1\\W", "
ff ")
<re.Match object; span=(0, 4),
match=' ff '>

In raw string notation r"text" there is no

## Reference

https://docs.python.org/3/howto/regex.html https://docs.python.org/3/library/re.html

E contract	:	
EVIOL	nsions	
LALCI		

(?...) This is the start of an extension(? The letters set the correspondig aiLmsux) flags See flags



By **mutanclan** (mutanclan) cheatography.com/mutanclan/

Published 19th April, 2019. Last updated 19th April, 2019. Page 1 of 3. Sponsored by **ApolloPad.com**Everyone has a novel in them. Finish Yours!
https://apollopad.com



## python regular expression (regex) Cheat Sheet

by mutanclan (mutanclan) via cheatography.com/79625/cs/19404/

Extensions (cont)		
(?:)	A non-capturing version of regular parantheses	
(?P <na- me&gt;)</na- 	Like regular paranthes but with a <i>named</i> group	
(?P=name)	A backreference to a named group	
(?#)	A comment	
(?=)	lookahead assertion:  Matches if matches next without consuming the string	
(?!)	negative lookahead assert- ion: Matches if doesn't match next	
(?<=)	positive lookbehind assert- ion: Match if the current position in the string is preceded by a match for that ends the current position	
(? )</td <td>negative lookbehind assertion: Match if the current position in the string is <b>not</b> preceded by a match for</td>	negative lookbehind assertion: Match if the current position in the string is <b>not</b> preceded by a match for	
(? (id/name)yes- pattern no- pattern)	Match with <i>yes-pattern</i> if the group with gived <i>id</i> or <i>name</i> exists and with <i>no-pattern</i> if not	

Match objects	
Match. <b>expand</b> ( template)	Return the string obtained by doing backslash substitution on <i>template</i> , as done by the <b>sub()</b> method
Match. <b>group</b> ( [group1,])	Returns one or more subgroups of the match. 1 Argument returns string and more arguments return a tuple.
Matchgetitem( g)	Access groups with m[0], m[1]
Match.groups( default=None)	Return a <b>tuple</b> containing all the subgroups of the match
Match.groupdict( default=None)	Return a <b>dictionary</b> containing all the <i>named</i> subgroups of the match, keyed by the subgroup name.
Match.start( [group] Match.end( [group])	Return the indices of the start and end of the substring matched by <i>group</i>
Match.span( [group])	For a match m, return the 2-tuple (m.start(group) m.end(group))
Match.pos	The value of pos which was passed to the search() or match() method of the regex object
Match.endpos	Likewise but the value of <i>endpos</i>

Matc	ch objects (cont)	
Matc last- inde	matched capturing group, or	
Matc last- grou	capturing group or None	
Matc re	ch. The regular expression object whose match() or search() method produced this match instance	
Matc strin	()()()	
Spec	cial escape characters	
\A	Match only at the start of the string	
\b	Match the empty string at the beginning or end of a word	
\B	Match the empty string when <i>not</i> at the beginning or end of a word	
\d	Match any <b>Unicode</b> decimal digit this includes [0-9]	
\D	Match any character which is <b>not</b> a decimal digit	
\s	Match <b>Unicode</b> white space characters which includes [ \t\n\r\f\v]	
	Matches any character which is <b>not</b> a	
\S	whitespace character. The opposite o	
\S \w		
	\s Match <b>Unicode</b> word characters	



By **mutanclan** (mutanclan) cheatography.com/mutanclan/

Published 19th April, 2019. Last updated 19th April, 2019. Page 2 of 3. Sponsored by **ApolloPad.com**Everyone has a novel in them. Finish
Yours!
https://apollopad.com



## python regular expression (regex) Cheat Sheet by mutanclan (mutanclan) via cheatography.com/79625/cs/19404/

Regular Expression	n Objects
Pattern.search( string[, pos[, endpos]])	See re.search().  pos gives an index where to start the search. endpos limits how far the string will be searched.
Pattern.match( string[, pos[, endpos]])	Likewise but see re.match()
Pattern.fullmatch( string[, pos[, endpos]])	Likewise but see re.fullmatch()
Pattern.split( string, maxsplit=0)	<pre>ldentical to re.spl- it()</pre>
Pattern.findall( string[, pos[, endpos]])	Similar to re.fin-dall() but with additional parameters pos and endpos
Pattern.finditer( string[, pos[, endpos]])	Similar to re.fin-diter() but with additional parameters pos and endpos
Pattern.sub( repl, string, count=0)	Identical to re.sub()
Pattern.subn( repl, string, count=0)	Identical to re.sub-n()
Pattern.flags	The regex matching

D 5	
Pattern.groups	The number of capturing groups in the pattern
Pattern. <b>groupinde</b>	A dictionary mapping any symbolic group names to group members
Pattern. <b>pattern</b>	The pattern string from which the pattern object was compiled
These objects are compile() method	returned by the re
Flags	
ASCII, A	ASCII-only matching in \w, \b, \s and \d
IGNORECASE, I	ignore case
LOCALE, L	do a local-aware match
MULTILINE, M	multiline matching, affecting ^ and \$
DOTALL, S	dot matches all
,	
u	unicode matching (just in (?aiLmsux))
· ·	
verbose, X  Flags are used in (aiLmsux) or can be re.FLAG. In the fire removed.	in (?aiLmsux))  verbose  (?aiLmsux-imsx:) or (?



By **mutanclan** (mutanclan) cheatography.com/mutanclan/

flags.

Published 19th April, 2019. Last updated 19th April, 2019. Page 3 of 3.

function

as part of the regular expression, instead of passing a flag argument to the re.compile()

Sponsored by **ApolloPad.com**Everyone has a novel in them. Finish
Yours!
https://apollopad.com