Perl 6 regex

Perl 6 regex

In search for perfection

Many Things Gone

Some Stayed

capturing: (…) escape: \

mods: i, g

quantifier: *, +, ?

alternatives: |

match var.: $/

min. match. suffix: ??, *?, +?

Operators

Create A Regex

rx/.../

It's The New qr//

rx/.../

Apply Rx

~~,

Known Since 5.10

~~,

Still Changing In 5.18

~~,

Apply Rx

~~,
no more =~

Operators

m// s///

Rx Methods

match comb subst

Operators

ms// ss///

Operators

m :s//   s :ss///

Modifiers

no x

Modifiers

no x m s

Modifiers

no s e x

Modifiers

no s ee x

Modifiers

P5 Perl5

Modifiers

:P5 :Perl5

Modifiers

~~ m :P5 /.../

Modifiers

:g :global

Match x Times

:x(n)

Just nth Match

:nth(n)

Search from Pos On

:c(n)
:continue(n)

Search Only On Pos

:p(n)
:pos(n)

Spaces Have Meaning

:s :sigspace

:ss :samespace

Like qw// Only Smarter

:s :sigspace
:ss :samespace

Lower Line Is For s///

:s :sigspace

:ss :samespace

Modifiers

:i :ignorecase

:ii :samecase

Modifiers

:m :ignoremark

:mm :samemark

Choose A Level

:bytes :chars
:codes :graphs
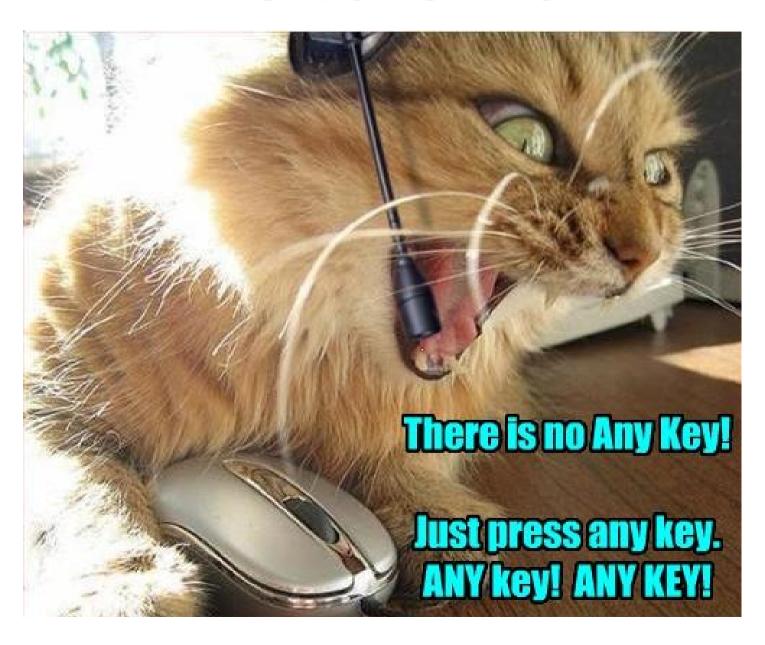
Metachar

Metachar

Metachar

.

any char

Metachar

-

Metachar

No Output In Perl 5

perl -e 'print 1 if "\n"=~ /./

Do Output In Perl 6

perl6 -e 'say 1 if "\n"~~ /./

Metachar

.

any char

Metachar

\N

not a newline

Metachar

^ $

You know that

Metachar

^^ $$

linewise

'a' Wins In Perl 5

perl -E '"ab"=~ /(a|ab)/;say $1'

'ab' Wins In Perl 6

perl6 -E '"ab"~~/(a|ab)/;say $0'

Metachar

|

longest wins

Metachar

||

first wins

Metachar

()

capt. groups

Metachar

[ ]

nonecapturing groups

Metachar

<[ ]>

char classes

Metachar

\s

space

Metachar

$$\backslash s = \backslash h \mid \backslash v$$

horizont. or vertic.

Metachar

\s = \h | \v

\r \n and alike

Metachar

\s = \h | \v

Spaces, tabs(\t) and alike

Quantifiers

Quantifiers

simple have not changed

Five Digits

\d ** 5

Five Digits

\d ** 5

'12345'

Two to Five Digits

\d ** 2..5

Colon Seperated Digits

`\d+ % ','`

Colon Seperated Digits

\d+ % ','

'1,2,3,4'

+ Trailing Seperator

`\d+` `%%` `','`

`'1,2,3,4,'`

Combined

`\d ** 2..* % ','`

Special Var

Match Object

$/
last sucessful
Match

Named Submatch

$/

$/<...>

Named Submatch

$/

$/{'...'}

$<...>

List Of Matches

@()

List Of Matches

@()

@() = $0 ..

List Of Matches

$@()[n]$

$@() = \$0 \;..$ (no limit)

AoA Of Matches

@()[1][2]

.(.).(.(.).(.).(...).).

Learn More

http://perlcabal.org/syn/S05.html

Thank You