Regex almanac

21 words

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Regex between 2 strings

(?<=(one two)).*?(?=four); one two three four ->three
(?<=^).*?(?=$); returns whole string between start to finish

(?<=one).*?(?=four);one two three four->two three

Complete string if

^.*(person|server).*$
This person is cool->this person is cool
vanil stick->nothing
server one->server one

contains non of these

^((?!.*(server|choco).*).)*$
vanil stick->vanil stick
server one->nothing

surname (2nd word)

\\s+[^\\s]+
mister meeseeks->meeseeks

double

\\d+(\\.\\d+)?
20.05

URL

[A-Za-z0-9.-]+\\.[A-Za-z]{2,6}

IPv4

([0-9].){4}[0-9]*
10.10.10.126

Phone example1

0\\d-\\d{7} for string 02-1234567 string string

^0\\d-\\d{7}$
02-1234567

Duplicate word

\\b(\\w+)\\b(?=.*\\b\\1\\b) ; hadoken hadoken shoryuken->hadoken

\\b([\\w\\s']+) \\1\\b ; hadoken hadoken shoryuken->hadoken hadoken

Phone example 2

[0]\\d{9} phone starting with 0 followed by 9 digits

Integer

[-+]?[0-9]{1,13}

Name Surname

[A-Z][a-z]*\s[A-Z][a-z]*
Heihachi Mishima

Negative positive double

[-+]?[0-9]*[.,][0-9]*
-30.77

Full date

[0-9]{1,4}/[0-9]{1,2}/[0-9]{1,2} [0-9]{1,2}:[0-9]{1,2}:[0-9]{1,2}
2023/09/29 14:30:45

time stamp

[0-9]{1,2}:[0-9]{1,2}:[0-9]{1,2} ->11:52:31

[0-9]{1,2}:[0-9]{1,2}->11:42

Email

[A-Z0-9a-z._%+-]+@[A-Za-z0-9.-]+\\.[A-Za-z]{2,6}
^[a-zA-Z0-9._%+-]+@([a-zA-Z0-9.-]*element[a-zA-Z0-9.-]*)\.[a-zA-Z]{2,}$; email with element in it, good for bans
^*@gmail.[a-zA-Z]{2,}$; emails from provider like gmail, good regex for bans

Any string

^.+$

Metachars

+ ; contains 1 or more of char
* ; contains 0 or more of char
? ; contains 0 or 1 of char
(a group) -> a group (exact match); (abc)+atches abc or abcabcabc
[] ; class [a-z] lower case word, [ab] matches a or b
{5} ; quantifier; ab{2}c -> abbc
| ; or apple|banana matches: i ate an apple; i ate a banana
. ; any char: a.c-> abc a1c acc

^ string start
$ string end

Fancy numbers

(0x)?[0-9a-fA-F]+ ; hex
\\b[01]+\\b ; binary
(?<=0.).* ; 0 stripper
M{0,3}(CM|CD|D?C{0,3})(XC|XL|L?X{0,3})(IX|IV|V?I{0,3}) ; roman numerals
[0-9]{1,3}(,[0-9]{3})*\.[0-9]+ ; numbers with thousand separators

First word in a string

^\\w+
one two three-> one

Last word in a string

\\w+$
one two three four -> four