

```
/\b(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\. (25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\. (25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\. (25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\b/
```

Done! This validates IP Addresses like 192.168.2.1, 255.255.255.255 etc.

What You Need to Know about RegEx

RegEx is NOT as difficult as it looks !

1

containers of the expression

`/colou?rs?/`

2

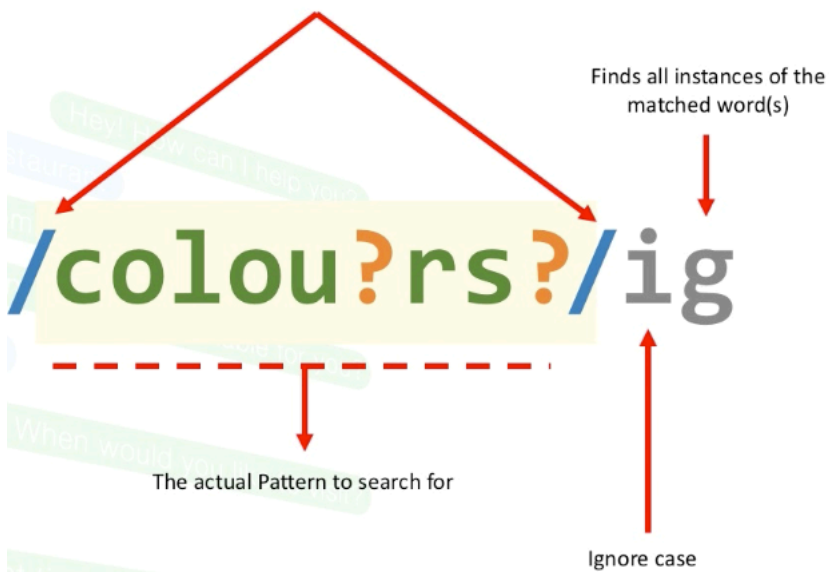
pattern inside the containers

`/colou?rs?/ig`

3

flags

Everything goes inside two forward slashes



Matches words like **color**, **colour**, **colors**, **CoLouRs**, **CoLoRs**

Find a given word in a paragraph

There are **colors** and then there are **colours**. The difference is only in the spelling. Color is a subjective issue. I might like a colour but may not like another. For instance, I like red, but I don't like yellow. **Colours** are fun and so are **colors**.

Word to find

colors OR colours

RegEx Pattern

/colou?rs/ig

Optional Quantifier

Marks the preceding character as optional

Find a given word in a paragraph

There are colors and then there are colours. **The** difference is only in **the** spelling. Color is a subjective issue. I might like a colour but may not like another. For instance, I like red, but I don't like yellow. Colours are fun and so are colors.

Word to find

the

RegEx Pattern

/\bthe\b/ig

Word Boundary

Find a given word in a paragraph

Hello there!

I'm looking for an Italian restaurant.

Hey! How can I help you?

I would recommend - The Virgin Courtyard.

Do you want a table for you?

Sure!

advertising has become a fad.

Some ads are really bad.

Awesome! When would you like to visit?

I'm done.

And what time would you be visiting?

about 8 in the evening.

Done! Have a great meal @ The Virgin Courtyard.

Word to find

words beginning with ad

RegEx Pattern

`/\bad\w+/ig`

Word Class
Will match a single
alphanumeric (and
underscore) character

Plus Quantifier
Will match 1 or more of
the preceding class.

Find a given word in a paragraph

Hello there!

I'm looking for an Italian restaurant.

Hey! How can I help you?

I would recommend - The Virgin Courtyard.

Do you want a table for you?

Sure!

advertising has become a fad.

Some ads are really bad.

Awesome! When would you like to visit?

I'm done.

And what time would you be visiting?

about 8 in the evening.

Done! Have a great meal @ The Virgin Courtyard.

Word to find

words beginning with ad

RegEx Pattern

`/\bad[a-zA-Z]+/g`

Character Set
Only match characters from the given set.
Here it matches upper + lowercase
characters from A - Z

Plus Quantifier
Will match 1 or more of
the preceding class.

Find & extract word(s) from a given set of words

Sometimes it is **hot**, sometimes it is **cold**, but the weather in this city is always great for an evening walk. Even during the winter season, it is never as **cold** as in the hills up North.

Word to find

hot, cold

RegEx Pattern

`/\b(cold|hot)\b/ig`

A Capture Group with Alternates
Will match either of these words and will capture the words from the text for use in the program.

Matching n instances of a given word

My pin code is **160010**. I also write it as **160 010**.

Word to find

Indian Pin Codes (Zip Codes) | 6 digits

RegEx Pattern

`/\b\d{3}\s?\d{3}\b/ig`

Whitespace Class
Matches whitespace such as spaces and tabs

{n} Quantifier
Will match exactly 3 digits (\d) (0 – 9)

Exercise 1

Enter a regexp that matches all the items in the first column (positive examples) but none of those in the second (negative examples). When you

Regexp:

Réinitialiser

Submit

Positive **Negative**

pit
spot pt
spate Pot
slap two peat
respite part

Expression

`/\bs[a-z\.\s]+|r?s?pite?\b/g`

Text

```
pit
spot
spate
slap two
respite
pt
Pot
peat
part
```

RegEx CheatSheet :

<https://medium.com/factory-mind/regex-tutorial-a-simple-cheatsheet-by-examples-649dc1c3f285>