

Lesson

Wednesday

Introduction to Programming

(/introduction-to-programming)

/ Arrays and Looping (/introduction-to-programming/arrays-and-looping)

/ Further Exploration: Regular Expressions with Text Analyzer

Text

Cheat sheet

Code

We can **creates** a `RegExp` object like this:

```
> const word = "red";  
> const regex = new RegExp(word, "gi");
```

This is the best way to pass a variable into a regular expression.

We can **use** the `RegExp` object like this:

```
> const text = "RED red red! Green GREEN green."  
> const word = "red";  
> const regex = new RegExp(word, "gi");  
> text.match(regex);  
["RED", "red", "red"]
```

numberOfOccurrencesInText() with regex:

```
function numberOfOccurrencesInText(word, text) {  
  if (isEmpty(word)) {  
    return 0;  
  }  
  const regex = new RegExp(word, "gi");  
  return text.match(regex).length;  
}
```

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