# Kata 17 - JS Object From URL Encoded String

Assignment

45 - 65 minutes



#### **STRETCH ACTIVITY**

This activity is marked as stretch. We strongly suggest you come back to it if/when you've completed all the core exercises for the prep course.

In this exercise, we will be given a url encoded string of key-value pairs, and we will have to turn it into a JavaScript object.

## **URL Encoded Strings**

To safely send data in a URL, the data first has to be encoded to convert any special characters to URL safe characters. For this assignment we will only focus on the following URL encoding rules:

- %20 represents a space character.
- Key-value pairs are represented using an = character: key=value
- Multiple key-value pairs are separated using a & character: key1=value1&key2=value2

So the following URL encoded string:

```
city=Vancouver&weather=lots%20of%20rain
```

Could be converted to the following JavaScript object:

```
{
  city: "Vancouver",
  weather: "lots of rain"
}
```

## Input

```
const urlDecode = function(text) {
   // Put your solution here
};

console.log(urlDecode("duck=rubber"));

console.log(urlDecode("bootcamp=Lighthouse%20Labs"));

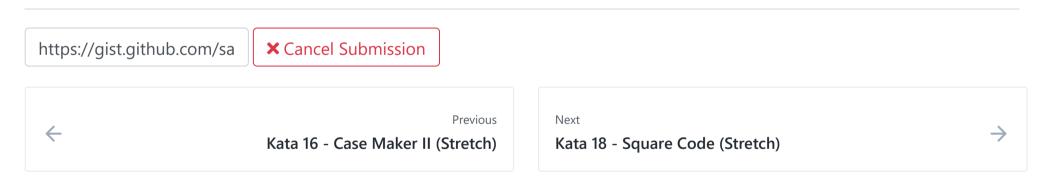
console.log(urlDecode("city=Vancouver&weather=lots%20of%20rain"));

console.log(urlDecode("city=Vancouver&weather=lots%20of%20rain").weather);
```

#### **Expected Output**

```
{duck: "rubber"}
{bootcamp: "Lighthouse Labs"}
{city: "Vancouver", weather: "lots of rain"}
"lots of rain"
```

- Create a function named urlDecode that will receive a URL encoded string, and return the a JavaScript object that represents that data.
- Submit Your Work
- Browse to gist.github.com and create a new gist.
- Copy-and-paste your code into the form
- Name the gist and the file appropriately and click Create secret gist.
- Finally, mark this activity as completed (at the bottom of this page) and please copy/paste the *entire* browser URL for your gist (from *gist.github.com*) into the text field.



#### How well did you understand this content?

Thank you for your feedback



Totally got it!

Please give us some written insight into your feedback

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> 3: Version Control
> 4: Programming Intro
> 5: The Browser
→6: Katas
6 hrs + 29 hrs stretch T
Katas
Kata 1 - Sum the Largest Numbers
Kata 2 - Conditional sums
Kata 3 - Vowels
Kata 4 - Instructors Names
Kata 5 - Percent Encoded String
Kata 6 - SmartParking
Kata 7 - In the Air Tonight
Kata 8 - Repeating Numbers
Kata 9 - Case Maker
<a>Kata 10 - Multiplication Table</a>
Kata 11 - Bouncy Castles
Kata 12 - The Great Codeville Bake-off.
Kata 13 - Talking Calendar
Kata 14 - Change Calculator
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Kata 16 - Case Maker II
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Kata 18 - Square Code
Kata 19 - Queen Threat Detector
<a>Kata 20 - Taxicab Geometry</a>
<a href="#">Kata 21 - Number Guesser</a>
> 7: Stretch Project
> 8: The Lab Manual
> 9: Day One Prep
> 10: Collab Tools Setup
I I

> 1: Welcome



