Kata 17 - JS Object From URL Encoded String

Assignment

45 - 65 minutes

Status	Complete

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.

---

https://gist.github.com/sa ✖ Cancel Submission

Previous
Kata 16 - Case Maker II (Stretch)

Next
Kata 18 - Square Code (Stretch)

Prep Work

- 1: Welcome
- 2: Dev Environment
- 3: Version Control
- 4: Programming Intro
- 5: The Browser
- 6: Katas

6 hrs ***+ 29 hrs stretch*** 🏆

- 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* ✓
- *Kata 10 - Multiplication Table* ✓
- *Kata 11 - Bouncy Castles* ✓
- *Kata 12 - The Great Codeville Bake-off* ✓
- *Kata 13 - Talking Calendar* ✓
- *Kata 14 - Change Calculator* ✓
- *Kata 15 - Organizing Instructors* ✓
- *Kata 16 - Case Maker II* ✓
- *Kata 17 - JS Object From URL Encoded String* ✓
- *Kata 18 - Square Code* ✓
- *Kata 19 - Queen Threat Detector* ✓
- *Kata 20 - Taxicab Geometry* ✓
- *Kata 21 - Number Guesser* ✓

- 7: Stretch Project
- 8: The Lab Manual
- 9: Day One Prep
- 10: Collab Tools Setup

LIGHTHOUSE LABS