Splice

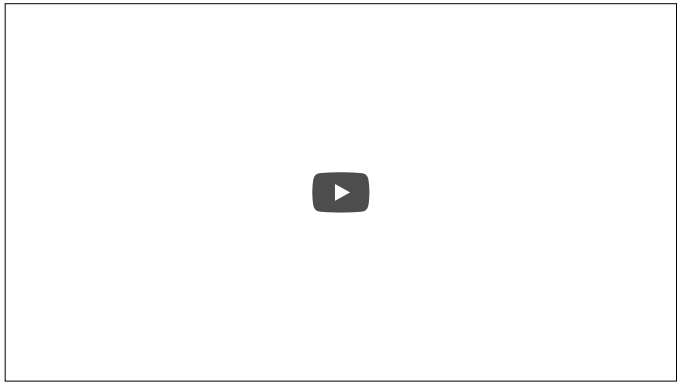
`splice()` is another handy method that allows you to add and remove elements from anywhere within an array.

While `push()` and `pop()` limit you to adding and removing elements from *the end of an array*, `splice()` lets you specify the index location to add new elements, as well as the number of elements you'd like to delete (if any).

```
var donuts = ["glazed", "chocolate frosted", "Boston creme", "glazed cruller"];
donuts.splice(1, 1, "chocolate cruller", "creme de leche"); // removes "chocolate frosted" at index 1 and
 adds "chocolate cruller" and "creme de leche" starting at index 1
```

> **Returns:** ["chocolate frosted"]
> **donuts array:** ["glazed", "chocolate cruller", "creme de leche", "Boston creme", "glazed cruller"]

The first argument represents the starting index from where you want to change the array, the second argument represents the numbers of elements you want to remove, and the remaining arguments represent the elements you want to add.



Using the `splice()` method adds and removes elements from any location in an array.

`splice()` is an incredibly powerful method that allows you to manipulate your arrays in a variety of ways. Any combination of adding or removing elements from an array can all be done in one simple line of code.

Take a look at the MDN documentation to see a long list of example code snippets demonstrating the power of `splice()` and then try the next set of programming quizzes.

QUIZ QUESTION

We've decided to replace some of the donuts in the `donuts` array.

```
var donuts = ["cookies", "cinnamon sugar", "creme de leche"];
donuts.splice(-2, 0, "chocolate frosted", "glazed");
```

What does the `donuts` array look like after the following changes?

- ["cookies", "chocolate frosted", "glazed", "cinnamon sugar", "creme de leche"]
- ["chocolate frosted", "glazed", "cookies", "cinnamon sugar", "creme de leche"]

["cookies", "cinnamon sugar", "creme de leche", "chocolate frosted", "glazed"]

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