Array.prototype.lastIndexOf()

Summary: in this tutorial, you will learn how to use the JavaScript Array `lastIndexOf()` method to return the last index of a matching element in an array or -1 if no matching is found.

Introduction to JavaScript Array lastIndexOf() method

The Array `lastIndexOf()` method returns the index of the last matching element in an array or `-1` if there is no matching element.

Here's the syntax of the `lastIndexOf()` method:

```
const index = array.lastIndexOf(searchElement, fromIndex)
```

The `lastIndexOf()` method accepts two arguments:

- `searchElement` is the element to locate in the array.
- `fromIndex` is a zero-based index at which the method starts searching. The `fromIndex` parameter is optional.

Note that the `lastIndexOf()` method searches for the elements from the end of the array to the beginning array, starting from the `fromIndex` .

If you omit the `fromIndex` , the `indexOf()` method starts searching from the end of the array.

The `fromIndex` argument can be a positive or negative integer.

If `fromIndex` is positive, the method starts searching from the `fromIndex` backward to the beginning of the array.

If `fromIndex` is negative (`-array.length <= fromIndex < 0`), a negative `fromIndex` counts back from the end of the array. The method also searches backward from the end of the array.

If `fromIndex < - array.length`, the method does not search and return `-1`.

> The `lastIndexOf()` method uses the strict equality comparison algorithm for comparing the `searchElement` with the elements in the array when searching.

JavaScript Array lastIndexOf() method examples

Let's take some examples of using the `lastIndexOf()` method.

Basic JavaScript Array lastIndexOf() method example

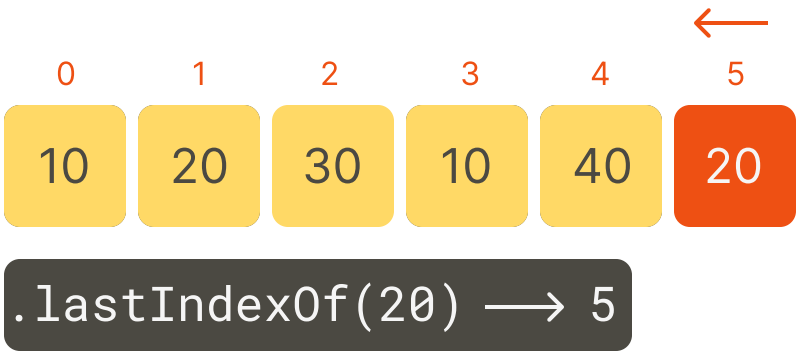
The following example uses the `lastIndexOf()` method to locate the number `20` in the `scores` array:

```
const scores = [10, 20, 30, 10, 40, 20];
const index = scores.lastIndexOf(20);

console.log({ index });
```

Output:

```
{ index: 5 }
```



Using the fromIndex argument

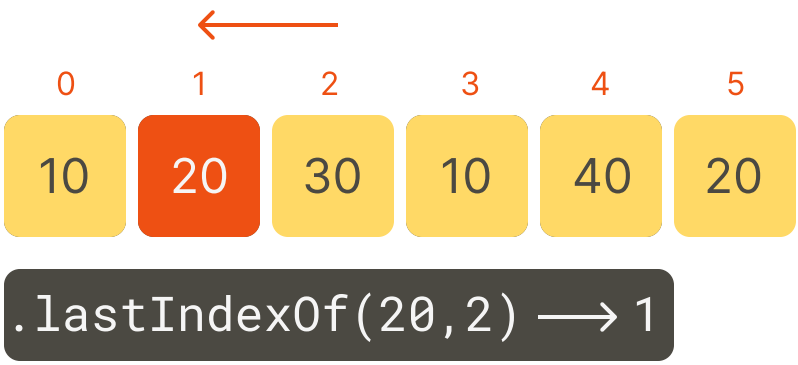
The following example uses the `lastIndexOf()` method to locate the number `20` in the `scores` array starting from the index 2:

```
const scores = [10, 20, 30, 10, 40, 20];
const index = scores.lastIndexOf(20, 2);

console.log({ index });
```

Output:

```
{ index: 1 }
```



Using a negative fromIndex argument

The following example uses the `lastIndexOf()` method to locate the number `20` in the `scores` array starting from a negative index `-3`:

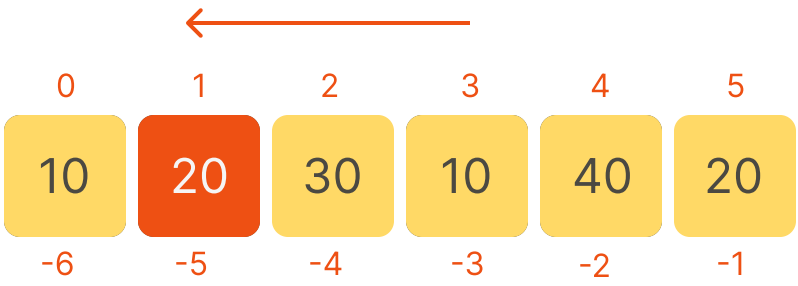
```
const scores = [10, 20, 30, 10, 40, 20];
const index = scores.lastIndexOf(20, -3);

console.log({ index });
```

Output:

```
{ index: 1 }
```

Output:




```
.lastIndexOf(20,-3) ⟶ 1
```

Summary

- Use the JavaScript array `lastIndexOf()` method to return the index of the last matching element in the array.