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How to get the last element of the array in javascript

Posted on [March 12, 2019](#) | by [Prashant Yadav](#)

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Learn how to get the last element from the [array](#) in javascript.

There are multiple ways through which we can get the last element from the array in javascript.

Using [pop\(\)](#)

We can use the [pop\(\)](#) of array which removes and returns the last element of the array.

```
let arr = [1, 2, 3, 4, 5, 6, 7, 8];
let last = arr.pop();

console.log(last);
//8

console.log(arr);
[1, 2, 3, 4, 5, 6, 7]
```

Copy

If use the [pop\(\)](#) method on empty array then it will return `undefined`.

Using Array [length](#) property

`Array.length` returns the size of the array. we can use this to get the last element from the array.

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```
let arr = [1, 2, 3, 4, 5, 6, 7, 8];
let last = arr[arr.length - 1];
```

```
console.log(last);
//8
```

```
console.log(arr);
[1, 2, 3, 4, 5, 6, 7, 8]
```

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This method does not modifies the original array.

Using this method on empty array will also return `undefined` as we are trying to access the index which does not exists.

Using [slice\(\)](#)

We can also use the [slice\(\)](#) method to get the last element of the array. If we provide negative index `-1` to it then it will remove the last item and return it as a new array.

```
let arr = [1, 2, 3, 4, 5, 6, 7, 8];
let last = arr.slice(-1);
console.log(last);
//[8]
```

```
console.log(arr);
[1, 2, 3, 4, 5, 6, 7, 8]
```

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Custom function to get the last elements from the array

We can create our own custom function which will return the n last elements from the array.

```
let getLast = (arr = null, n = null) => {
  if (arr == null) return void 0;
  if (n === null) return arr[arr.length - 1];
  return arr.slice(Math.max(arr.length - n, 0));
};
```

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With this method we can find the n elements from the end. If `n` is provided then it will return only last element. If `Array` is not provided then it will return `undefined`.

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```
let arr = [1, 2, 3, 4, 5, 6, 7, 8];
```

```
let last = getLast(arr);  
console.log(last);  
//8
```

```
last = getLast(arr, 2);  
console.log(last);  
//[7, 8]
```

```
last = getLast(arr, 3);  
console.log(last);  
//[6, 7, 8]
```

```
last = getLast(arr, 0);  
console.log(last);  
//[]
```

```
last = getLast();  
console.log(last);  
//undefined
```

This function does not manipulates the original array.

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Getters allow you to access the return value of a function just as if it were the value of a property. The return value of the function of course is the last value of the array (

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