

# How to empty an array in JavaScript?

There are many ways to empty an array in JavaScript some of them are discussed below:

## 1) Assigning it to a new empty array

This is the fastest way to empty an array:

```
a = [];
```

This code assigned the array a to a new empty array. It works perfectly if you do not have any references to the original array.

```
let b = a;  
a = [];  
console.log(b); // [1,2,3]
```

In this example, first, the b variable references the array a. Then, the a is assigned to an empty array. The original array still remains unchanged.

## 2) Setting its length to zero

The second way to empty an array is to set its length to zero:

```
a.length = 0;
```

The length property is read/write property of an Array object. When the length property is set to zero, all elements of the array are automatically deleted.

## 3) Using splice() method

The third way to empty an array is to remove all of its elements using the splice() method as shown in the following example:

```
a.splice(0,a.length);
```

In this solution, the splice() method removed all the elements of the a array and returned the removed elements as an array.

## 4) Using pop() method

The fourth way to empty an array is to remove each element of the array one by one using the while loop and pop() method:

```
while(a.length > 0) {  
    a.pop();  
}
```

This solution is quite trivial and is the slowest one in terms of performance.