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JavaScript Data Transformations methods

JavaScript Data Transformation

Hi There,

I am Gibson, In this blog, we will learn about Javascript's three important data transformation methods in step by step. So we don't waste our time, Let's move on to the topic.

Table of content:

Today we are talking about data transformation array methods. These are three important methods. Now we will see a quick overview of them.
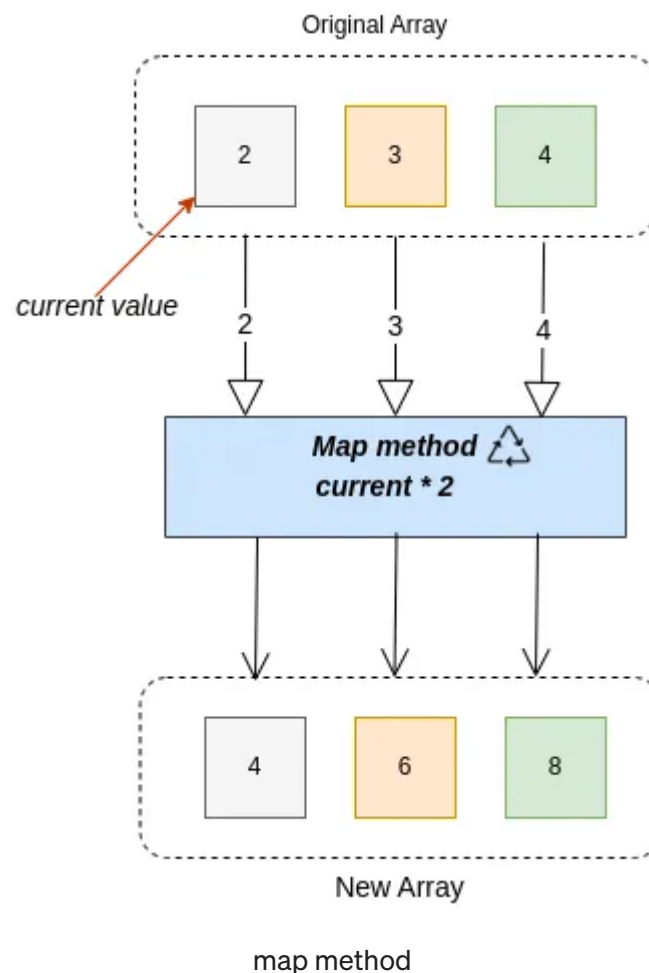
1. Map method

2. Filter method

3. Reduce method

Map method:

First, we will see a quick overview of the *map* method. The map method is another method we can use for looping arrays. the map method creates a new array based on the original array.
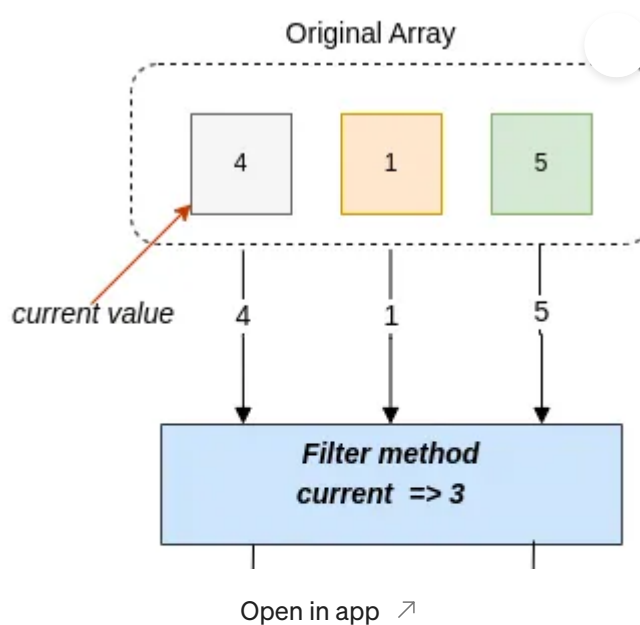
The map method takes an array and loops the array and each iteration applies the **callback function** that we specify on our code to the current array element.

map method

In the above example, we can see that each element should be multiplied by two. The map method multiplies every single element by two and returns a new array. The *map* method does not change the original array.
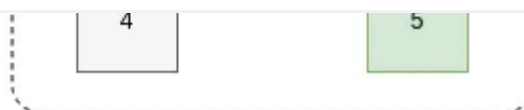
Filter method:

Now we will see the filter method. The filter method is used to filter for elements in the original array that satisfy a certain condition.
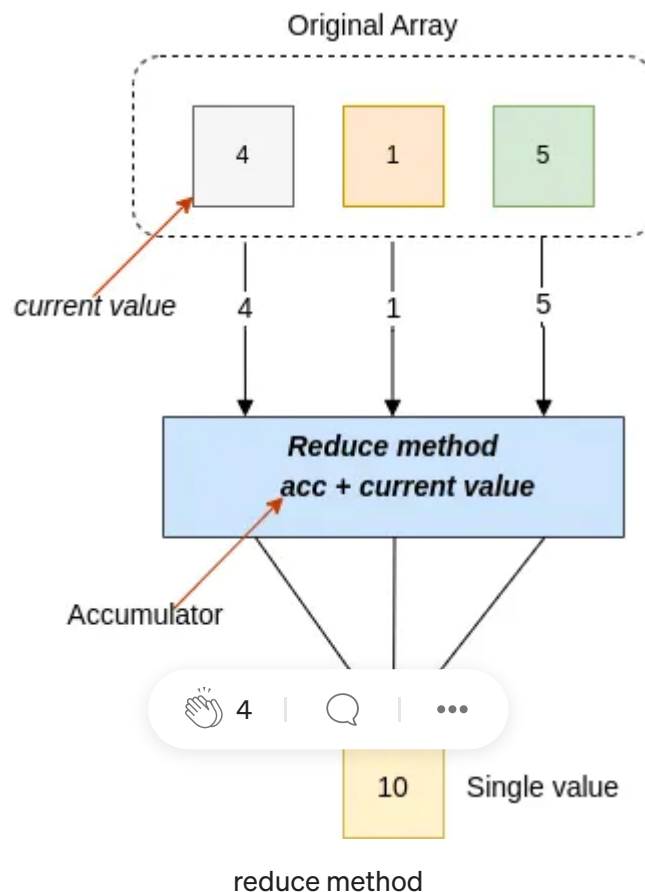

filter method

In this example, the method *filter* method creates a new array for only those elements that satisfy the condition checked by the current element greater than or equal to three.

In other words, elements for which the condition is true will be added to a new array. If the condition is failed the element will not be added to a new array. The filter method does not change the original array.

Reduce method:

Finally, we will see the *reduce* method. which we used to reduce all elements of the original array into one *single value*.

reduce method

And an example of this can be adding all the elements of an array together.

The reduce method loops over the array. It keeps adding the current element into the accumulator until the end of the loop. The *reduce* method returns a single value. The *reduce* method does not change the original array.

All right. And with this, we complete a quick overview of the three important array methods in *JavaScript*. In my next blog, we will see how to use these methods with examples.

Conclusion:

I hope this blog would be helpful to you, we have learned a quick overview of three important array methods. Please like and share and encourage me to share more useful information with you. Hope to see you all in my next blog, Until then Take Care! Keep Learning!

Thanks for reading this blog

Have a Nice Day...

JavaScript   Web Development   Array Methods   Data Transformation

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