JS

Best Explanation of

.filter() Method

in JavaScript

JS

Filter Method is an array method that **Returns a New Array** filled with the **Elements that Pass the Filter Condition**.

Let's understand with a real-life example.

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JS

Imagine principal of a school wants to meet some **students** of 10th standard who have got **less than 60% marks.** So he sends the peon to the classroom and the peon then asks the students who have got less than 60% marks and **takes them to the principal.**

Here the principal is Filter method, peon is the callback function & the classroom is an array.

Students

(Array)

Peon

(Callback Function)

Principal

(Filter Function)

Here's the Code Example ❯

```javascript
const arr = [10, 20, 30, 40, 50, 60, 70];

const filteredArr = arr.filter((num) => {
    return num > 30 //filter condition
})


console.log(filteredArr);

// output will be [40, 50, 60, 70]
```

In this example, we want to get the elements from the arr (array) that are **more than 30**. To do this, we applied **.filter() method to the array** and passed the filter condition that is **(num)=> return {num>30}** in the callback function. As a result, the filter function **returns a filteredArr** that contains the elements that we want.

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