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***REPORT #: W:5,D:3***

***TASK TITLE Arrays Methods (map, filter, reduce)***

### 📚 Array Methods in JavaScript

JavaScript provides powerful methods to work with arrays. The most common ones are:

**🔁 map()**

* **Use**: Creates a **new array** by applying a function to each item.
* **Example**:

let nums = [1, 2, 3];

let doubled = nums.map(x => x \* 2);

// [2, 4, 6]

**🧹 filter()**

* **Use**: Creates a **new array** with elements that **pass a test**.
* **Example**:

let nums = [1, 2, 3, 4];

let evens = nums.filter(x => x % 2 === 0);

// [2, 4]

**➕ reduce()**

* **Use**: Reduces array to **a single value** (like sum).
* **Example**:

let nums = [1, 2, 3, 4];

let sum = nums.reduce((total, num) => total + num, 0);

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