**To remove specific element from the array**

## index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Remove Element from Array</title>

    <script src="script.js" defer></script>

</head>

<body>

<h1>Array Element Remover</h1>

<label for="arrayInput">Enter array elements (comma-separated):</label><br>

<input  id="arrayInput" placeholder="e.g. 2, 5, 9, 6"><br><br>

<label for="elementToRemove">Element to remove:</label><br>

<input  id="elementToRemove" placeholder="e.g. 5"><br><br>

<button onclick="removeArrayElement()">Remove Element</button>

<h2>Result:</h2>

<p id="result"></p>

</body>

</html>

## script.js

function removeArrayElement() {

    // Get the array input and split it into an array

    const arrayInput = document.getElementById("arrayInput").value;

    let array = arrayInput.split(',').map(Number); // Convert to numbers

    // Get the element to remove

    const elementToRemove = parseInt(document.getElementById("elementToRemove").value);

    // Check if the element is present in the array

    const index = array.indexOf(elementToRemove);

    if (index > -1) {

        // If present, remove the element

        array.splice(index, 1);

        document.getElementById("result").innerText = `Updated Array: [${array}]`;

    } else {

        // If not present, display a message

        document.getElementById("result").innerText = "Element Not Found!";

    }

}

at index ${index}`

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**Check if an array contains a specified value**

## index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Check Element in Array</title>

    <script src="script.js" defer></script>

</head>

<body>

<h1>Array Element Checker</h1>

<label for="arrayInput">Enter array elements (comma-separated):</label><br>

<input type="text" id="arrayInput" placeholder="e.g. 2, 5, 9, 6"><br><br>

<label for="elementToCheck">Element to check:</label><br>

<input type="text" id="elementToCheck" placeholder="e.g. 5"><br><br>

<button onclick="checkArrayElement()">Check Element</button>

<h2>Result:</h2>

<p id="result"></p>

</body>

</html>

</body>

</html>

## script.js

function checkArrayElement() {

    // Get the array input and split it into an array

    const arrayInput = document.getElementById("arrayInput").value;

    let array = arrayInput.split(',').map(Number); // Convert to numbers

    // Get the element to check

    const elementToCheck = parseInt(document.getElementById("elementToCheck").value);

    // Check if the element is present in the array

    const index = array.indexOf(elementToCheck);

    if (index > -1) {

        // If present, display the element and its index

        document.getElementById("result").innerText = `Element ${elementToCheck} found at index ${index}.`;

    } else {

        // If not present, display a message

        document.getElementById("result").innerText = "Element Not Found!";

    }

}

Output-

A screenshot of a computer

Description automatically generated

**To empty an array**

## index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Empty Array Elements</title>

    <script src="script.js" defer></script>

</head>

<body>

<h1>Remove All Elements from Array</h1>

<label for="arrayInput">Enter array elements (comma-separated):</label><br>

<input type="text" id="arrayInput" placeholder="e.g. 2, 5, 9, 6"><br><br>

<button onclick="emptyArrayElements()">Remove All Elements</button>

<h2>Result:</h2>

<p id="result"></p>

</body>

</html>

## script.js

function emptyArrayElements() {

    // Get the array input and split it into an array

    const arrayInput = document.getElementById("arrayInput").value;

    let array = arrayInput.split(',').map(Number); // Convert to numbers

    // Empty the array

    array.length = 0;

    // Display the empty array

    document.getElementById("result").innerText = `Array after removing all elements: [${array}]`;

}

**Output-**

**A screenshot of a computer

Description automatically generated**