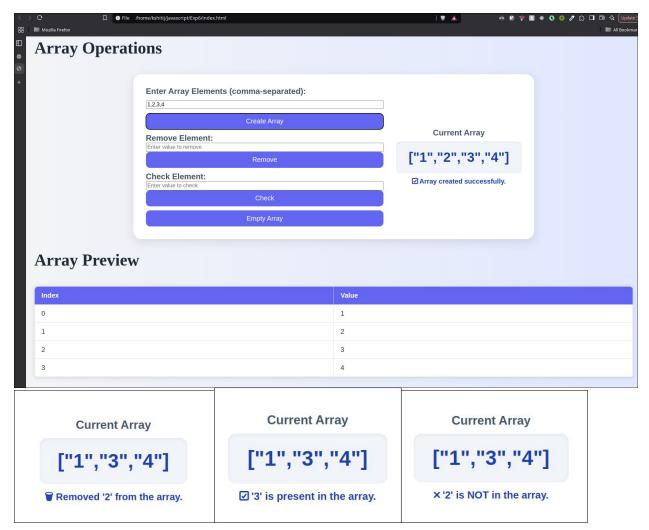
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Output:



Code:

1. HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
<script type="text/javascript" src="array_ops.js"></script>
<link rel="stylesheet" href="style.css">
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

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```
<title>Document</title>
</head>
<body>
   <h1>Array Operations</h1>
 <div class="shape-box">
   <!-- Input Section -->
   <div class="form-section">
     <label class="area-label">Enter Array Elements (comma-separated):</label>
     <input type="text" id="arrayInput" placeholder="e.g. 10, 20, 30, 40">
     <button onclick="createArray()">Create Array</button>
     <div class="operation">
       <label class="area-label">Remove Element:</label>
       <input type="text" id="removeInput" placeholder="Enter value to remove">
       <button onclick="removeElement()">Remove</button>
     </div>
     <div class="operation">
       <label class="area-label">Check Element:</label>
       <input type="text" id="checkInput" placeholder="Enter value to check">
       <button onclick="checkElement()">Check</button>
     </div>
     <button onclick="emptyArray()">Empty Array/button>
   </div>
   <!-- Result Section -->
   <div class="result-section">
     <div class="area-label">Current Array</div>
     <div class="area-box" id="arrayDisplay">[]</div>
     <div id="message" style="color:#1e40af; font-weight:600;"></div>
   </div>
  </div>
   <h1>Array Preview</h1>
 <!-- Table Section -->
```

```
<thead>
        Index
          Value
        </thead>
       </body>
2. Javascript:
   let arr = [];
   // Update array display and table
   function updateDisplay(message="") {
     document.getElementById("arrayDisplay").textContent = JSON.stringify(arr);
     document.getElementById("message").textContent = message;
     const table = document.getElementById("arrayTable");
     const tbody = table.querySelector("tbody");
     tbody.innerHTML = "";
     if (arr.length > 0) {
       table.style.display = "table";
       arr.forEach((val, index) => {
        const row = document.createElement("tr");
        row.innerHTML = `${index}${val}`;
        tbody.appendChild(row);
       });
     } else {
       table.style.display = "none";
     }
   }
   // Create array from input
   function createArray() {
     const input = document.getElementById("arrayInput").value.trim();
     if (!input) {
```

```
updateDisplay("△ Please enter some elements first.");
    return;
  }
  arr = input.split(",").map(el => el.trim()).filter(el => el !== "");
  updateDisplay("☑ Array created successfully.");
}
// Remove element
function removeElement() {
  if (arr.length === 0) {
    updateDisplay("△ Array is empty. Nothing to remove.");
    return;
  }
  const value = document.getElementById("removeInput").value.trim();
  if (!value) {
    updateDisplay("△ Enter a value to remove.");
    return;
  }
  const index = arr.indexOf(value);
  if (index !==-1) {
    arr.splice(index, 1);
    updateDisplay(`@ Removed '${value}' from the array.`);
  } else {
    updateDisplay(`x '${value}' not found in the array.`);
  }
}
// Check element
function checkElement() {
  if (arr.length === 0) {
    updateDisplay("△ Array is empty. Nothing to check.");
    return;
  }
  const value = document.getElementById("checkInput").value.trim();
  if (!value) {
    updateDisplay("△ Enter a value to check.");
    return;
  }
```

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```
if (arr.includes(value)) {
    updateDisplay(`☑ '${value}' is present in the array.`);
} else {
    updateDisplay(`× '${value}' is NOT in the array.`);
}

// Empty array
function emptyArray() {
    if (arr.length === 0) {
        updateDisplay("△ Array is already empty.");
        return;
    }
    arr = [];
    updateDisplay("✗ Array emptied.");
}
```