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//Roll No: 404B002

//EXP- 6

### index.html

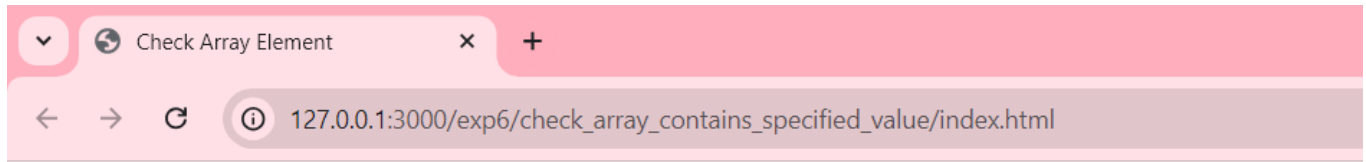
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Check Array Element</title>
    <script src="script.js" defer></script>
</head>
<body>
    <h1>Check if Array Contains a Value</h1>
    <label for="arrayElements">Enter Array Elements (comma separated):</label>
    <input type="text" id="arrayElements" placeholder="e.g. 1, 2, 3, 4, 5">
    <br><br>
    <label for="checkElement">Enter Element to Check:</label>
    <input type="text" id="checkElement">
    <br><br>
    <button onclick="checkArrayElement()">Check Element</button>
    <p id="result"></p>
</body>
</html>
```

### script.js

```
function checkArrayElement() {
    let array = document.getElementById('arrayElements').value.split(',');
    let element = document.getElementById('checkElement').value;
    let index = array.indexOf(element);
    document.getElementById('result').textContent = index !== -1
        ? `Element "${element}" found at index ${index}`
```

```
: 'Element Not Found!';}
```

### OUTPUT:



## Check if Array Contains a Value

Enter Array Elements (comma separated):

Enter Element to Check:

Element "3" found at index 2

2)

### index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Empty Array</title>
  <script src="script.js"></script>
</head>
<body>
  <h1>Array Manipulation</h1>
  <label for="arrayElements">Enter Array Elements (comma separated):
</label>
  <input type="text" id="arrayElements" placeholder="e.g. 1, 2, 3, 4">
  <button onclick="emptyArrayElements()">Empty Array</button>
  <h2>Result:</h2>
  <p id="result"></p>
</body>
</html>
```

### script.js

```
function emptyArrayElements() {  
    let input = document.getElementById("arrayElements").value;  
    let arr = input.split(',').map(item => item.trim());  
    arr.length = 0;  
    document.getElementById("result").innerText = `Array is now: [${arr}]`;   
}
```

### OUTPUT:



## Array Manipulation

Enter Array Elements (comma separated):

### Result:

Array is now: []

3)

### index.html

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-scale=1.0">  
    <title>Remove Array Element</title>  
    <script src="script.js"></script>  
</head>  
<body>  
    <h1>Remove Specific Element from Array</h1>  
    <label for="arrayInput">Enter array elements (comma separated): </label>  
    <input type="text" id="arrayInput" placeholder="e.g. 1, 2, 3, 4"><br><br>
```

```

<label for="elementInput">Enter element to remove: </label>
<input type="text" id="elementInput"><br><br>
<button onclick="removeArrayElement()">Remove Element</button>
  <p id="result"></p>
</body>
</html>

```

### script.js

```

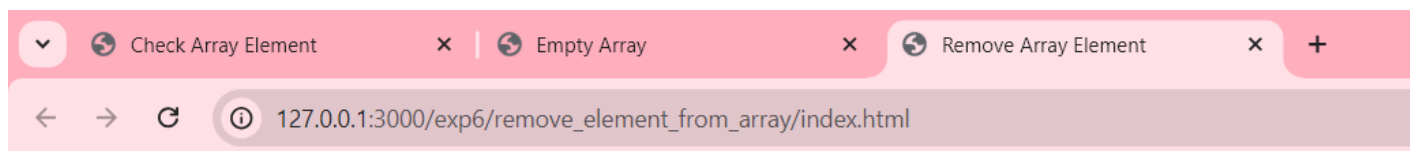
function removeArrayElement() {
  const arrayInput = document.getElementById("arrayInput").value;
  const elementToRemove = document.getElementById("elementInput").value;

  let array = arrayInput.split(',').map(item => item.trim());
  const index = array.indexOf(elementToRemove);

  if (index !== -1) {
    array.splice(index, 1);
    document.getElementById("result").innerText = `Array after removal:
[${array.join(', ')}]`;
  } else {
    document.getElementById("result").innerText = "Element Not Found!";
  }
}

```

### OUTPUT:



## Remove Specific Element from Array

Enter array elements (comma separated):

Enter element to remove:

Array after removal: [1, 2, 3, 4, 5, 6, 7, 8]