



PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE - 411043
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGG.
ACADEMIC YEAR : 2022-23 SEM: 1

CLASS : BE VIII [P8]

SUBJECT : JavaScript

EXPT. NO. : 6

Roll No.: 42410

DATE :

CODE :

index6.html:

```
<!DOCTYPE html>
<html>
<head>
<title>Array Operations</title>
<style>
  body {
    text-align: center; /* Center-align the entire document */
  }
  h2 {
    text-align: center; /* Center-align h2 elements */
  }
  label {
    display: block;
    text-align: center; /* Center-align labels */
  }
  input, button {
    display: block;
    margin: 0 auto;
  }
  div#arrayInput {
    display: none;
  }
  p {
    text-align: center; /* Center-align paragraphs */
  }
</style>
</head>
<body>
<h2>42410_Disha Chinchole</h2>
<h2>Array Operations</h2>
<label for="arrayLength">Enter the length of the array:</label>
<input type="number" id="arrayLength">
<button onclick="createArray()">Create Array</button><br><br>
<div id="arrayInput" style="display: none;">
  <label for="element">Enter elements:</label>
  <div id="elementInputs"></div>
  <button onclick="performOperations()">Perform Operations</button><br><br>
</div>
<label for="removeElement">Enter element to remove:</label>
<input type="text" id="removeElement">
<button onclick="removeElementFromArray()">Remove Element</button><br><br>
<label for="checkValue">Check if array contains:</label>
```



```
<input type="text" id="checkValue">
<button onclick="checkIfArrayContains()">Check Value</button><br><br>
<button onclick="emptyArray()">Empty Array</button><br><br>
<p>Array: <span id="arrayOutput"></span></p>
<p>Result: <span id="resultOutput"></span></p>
<script src="app6.js"></script>
</body>
</html>
```

app6.js:

```
let myArray = [];
function createArray() {
  const arrayLength = parseInt(document.getElementById('arrayLength').value);
  if (!isNaN(arrayLength) && arrayLength >= 0) {
    myArray = [];
    const elementInputsDiv = document.getElementById('elementInputs');
    elementInputsDiv.innerHTML = "";
    for (let i = 0; i < arrayLength; i++) {
      const input = document.createElement('input');
      input.type = 'text';
      input.placeholder = `Element ${i + 1}`;
      elementInputsDiv.appendChild(input);
    }
    document.getElementById('arrayInput').style.display = 'block';
  }
}
function performOperations() {
  myArray = [];
  const elementInputs =
  document.getElementById('elementInputs').getElementsByTagName('input');
  for (let i = 0; i < elementInputs.length; i++) {
    const element = elementInputs[i].value;
    if (element.trim() !== "") {
      myArray.push(element); } }
  displayArray();
}
function displayArray() {
  document.getElementById('arrayOutput').textContent = myArray.toString();
}
function removeElementFromArray() {
  const elementToRemove = document.getElementById('removeElement').value;
  const indexToRemove = myArray.indexOf(elementToRemove);
  if (indexToRemove !== -1) {
    myArray.splice(indexToRemove, 1);
    displayArray();
    document.getElementById('removeElement').value = "";
  }
}
function checkIfArrayContains() {
```



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```
const valueToCheck = document.getElementById('checkValue').value;  
const containsValue = myArray.includes(valueToCheck);  
document.getElementById('resultOutput').textContent = containsValue ? 'Array contains the value.'  
: 'Array does not contain the value.';  
document.getElementById('checkValue').value = '';  
}  
function emptyArray() {  
  myArray = [];  
  displayArray();  
}
```

OUTPUT :

42410_Disha Chinchole

Array Operations

Enter the length of the array:
3
Create Array

Enter elements:
3
4
5
Perform Operations

Enter element to remove:
5
Remove Element

Check if array contains:
5
Check Value

Empty Array

Array: 3,4
Result: Array does not contain the value.