Experiment No. 06

Name: Prathmesh Bonde
Class: BE5 P5
Roll Number: 42115
Subject: JavaScript

HTML Code –

```
<!-- Name: Prathmesh Bonde
Roll No.: 42115 -->
<html>

<head>
    <title> Array operations</title>
</head>

<body style="text-align: center">
    <script src="Expt6.js"></script>

    <h1> Array Operations</h1>
    <br><br>
    <label for="len"> Enter length : </label>
    <input type="text" id='1'>
    <button onclick="getlen()"> Submit length </button>
    <br><br>

    <label for="array"> Enter array : </label>
    <input type="text" id='2'>
    <button onclick="getArray()"> Submit array </button>
    <br><br>

    <label for="del"> Enter value : </label>
    <input type="text" id='3'>
    <button onclick="delElement()"> Delete element </button>
    <br><br>

    <label for="find"> Enter value : </label>
    <input type="text" id='4'>
    <button onclick="find()"> Find element </button>
    <br><br>

    Result: <span id="res"></span>
    <br><br>

    <button onclick="empty()"> Empty array </button>
    <br><br>

    <button onclick="display()"> Display array </button>
    <br><br>


</body>
```

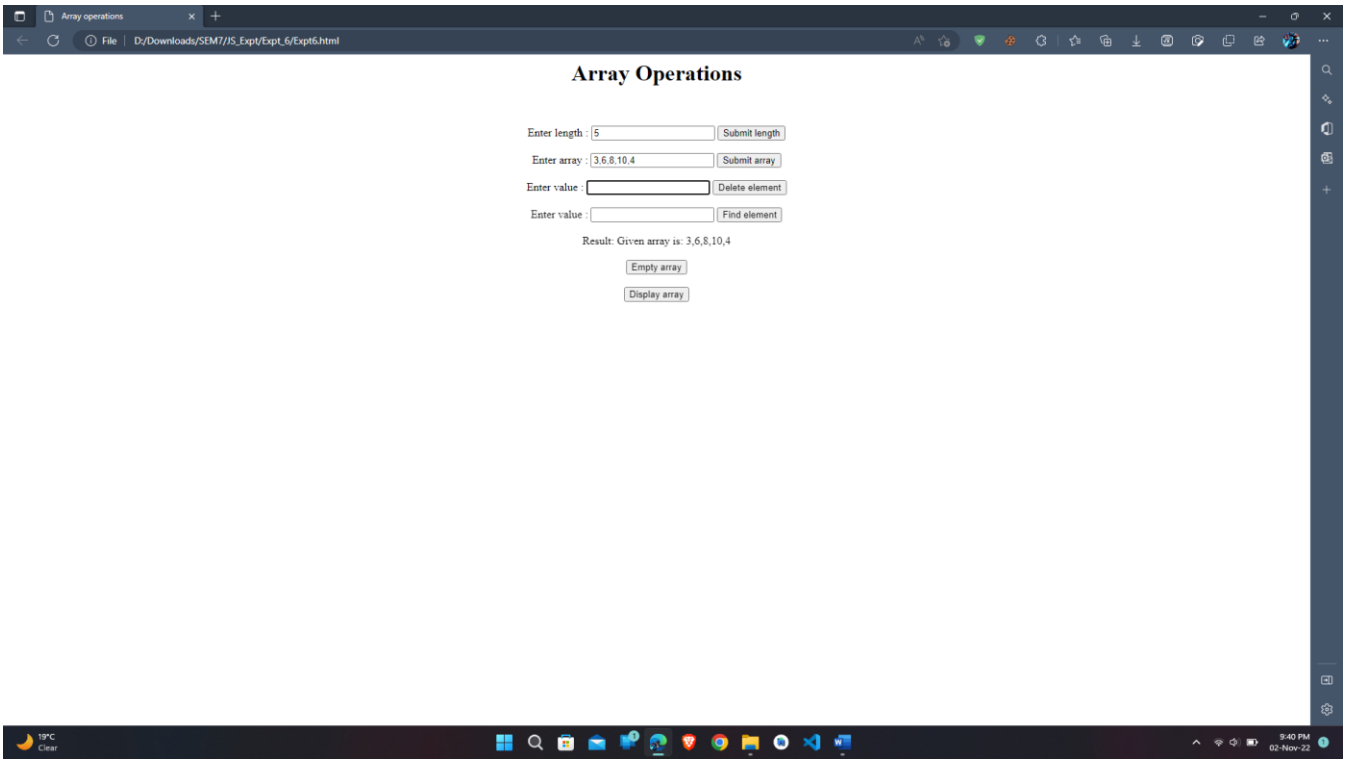
```
</html>
```

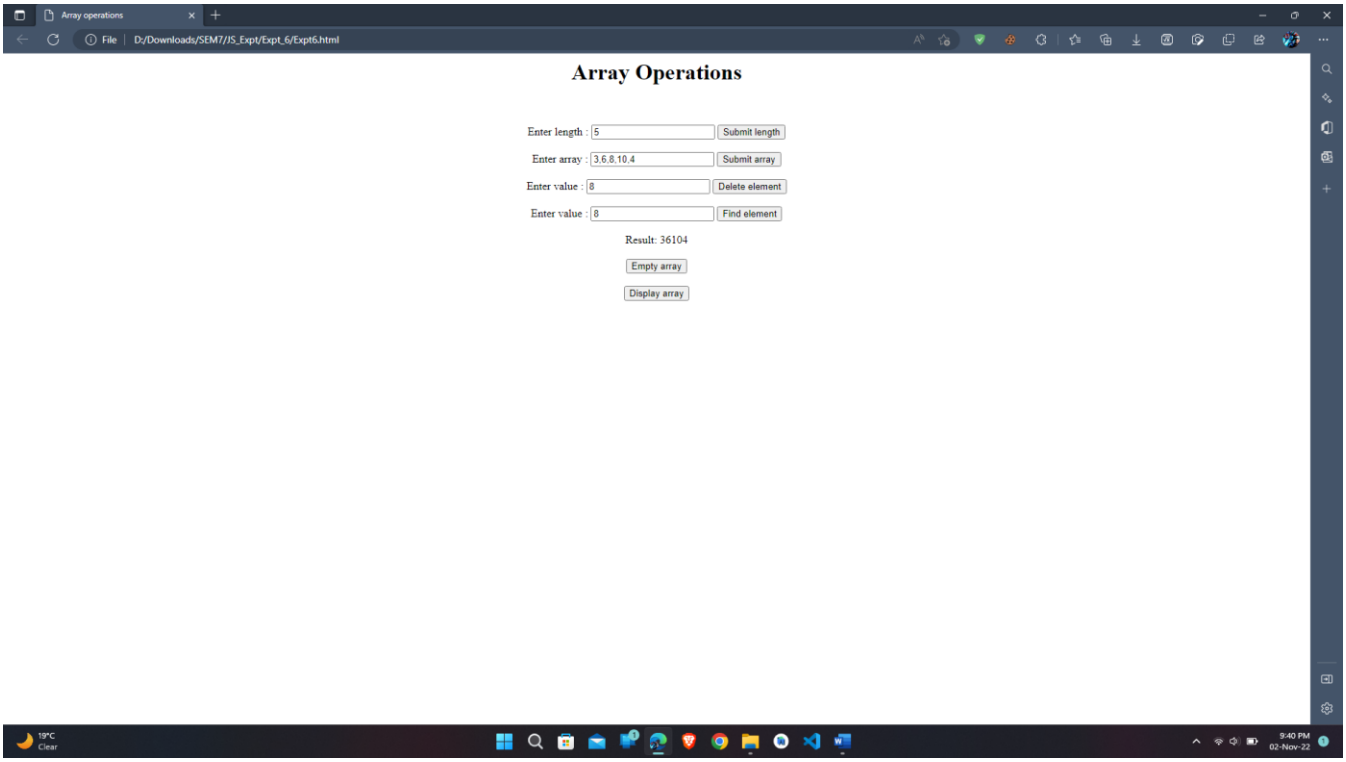
Javascript Code –

```
// Name: Prathmesh Bonde
// Roll No.: 42115

var arr = [];
var n;

function getlen() {
    var n = document.getElementById('1').value;
    var s = "Given length is: " + n;
    document.getElementById('res').innerHTML = s;
}

function getArray() {
    var val = document.getElementById('2').value;
    arr = val.split(',');
    n = arr.length;
    var len = document.getElementById('1').value;
    if (n > len) {
        arr.length = len;
        n = len;
    }
    var s = "Given array is: " + arr;
    document.getElementById('res').innerHTML = s;
}

function delElement() {
    var index = -1;
    var val = document.getElementById('3').value;
    for (var i = 0; i < arr.length; i++) {
        if (arr[i] == val) {
            index = i;
            break;
        }
    }
    if (index == -1) {
        var s = "Element not present in array";
        document.getElementById('res').innerHTML = s;
    }
    else {
        for (var i = index; i < arr.length - 1; i++) {
            arr[i] = arr[i + 1];
        }
        arr[arr.length - 1] = undefined;
        var s = "Element " + val + " deleted";
        document.getElementById('res').innerHTML = s;
    }
}

function find() {
    var index = -1;
    var val = document.getElementById('4').value;
```

```
    for (var i = 0; i < arr.length; i++) {
        if (arr[i] == val) {
            index = i;
        }
    }
    if (index == -1) {
        var s = "Element is not present in array";
        document.getElementById('res').innerHTML = s;
    }
    else {
        var s = "Element present at index " + index;
        document.getElementById('res').innerHTML = s;
    }
}

function empty() {
    arr = [];
    var s = "Array is emptied";
    document.getElementById('res').innerHTML = s;
}

function display() {
    var s = '';
    for (var i = 0; i < arr.length; i++) {
        if (arr[i] != undefined)
            s += arr[i];
    }
    document.getElementById('res').innerHTML = s;
}
```

Output:




Array operations
File | D:/Downloads/SEM7/JS_Expt/Expt_6/Expt6.html
Array Operations
Enter length : 5 Submit length
Enter array : 3,6,8,10,4 Submit array
Enter value : 8 Delete element
Enter value : 8 Find element
Result: 36104
Empty array
Display array
19°C
Clear
9:40 PM
02-Nov-22