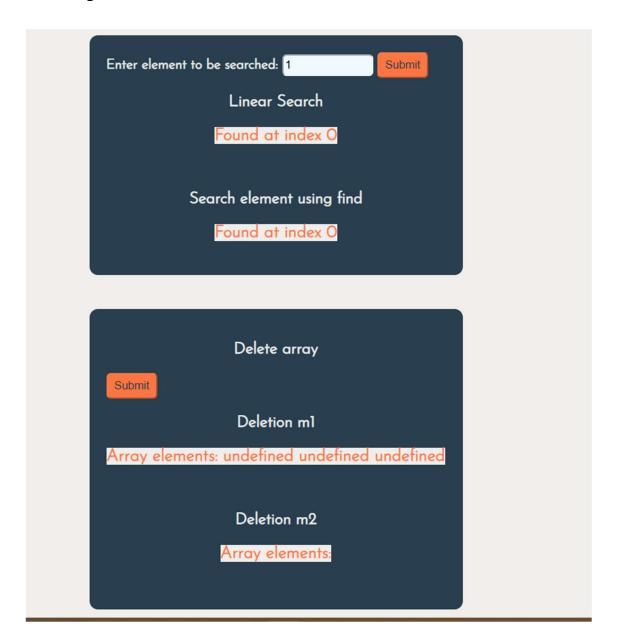
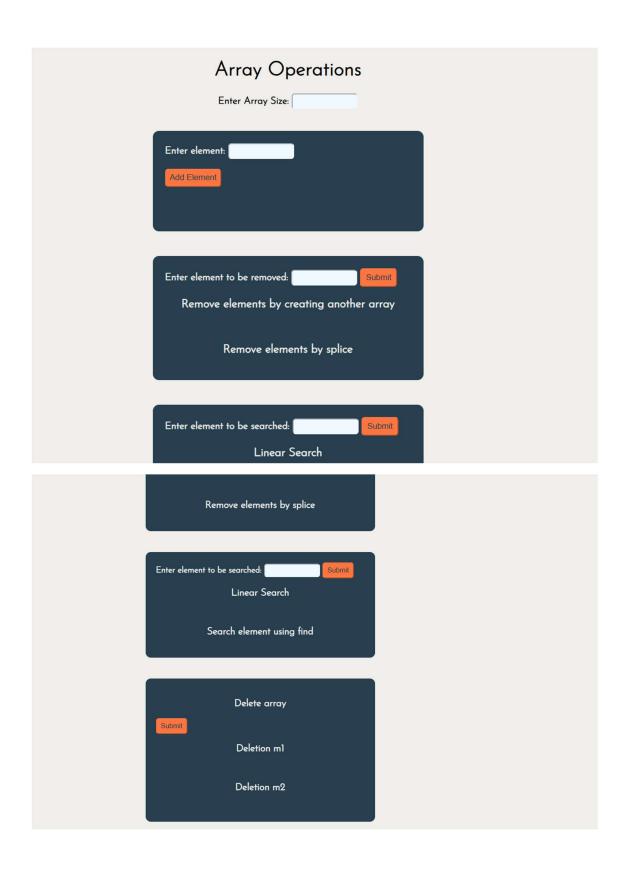
Aulti Kategaolikai		
	Array Operations	
	Enter Array Size: 4	
	Enter element: 6 Add Element Array size limit reached!	
	Enter element to be removed: 4 Remove elements by creating another array Array elements: 1 2 5 Remove elements by splice Array elements: 1 2 5	

JavaScript EXP_6 Roll No: 42427 Q6 BE 6 Aditi Kalegaonkar





```
JavaScript EXP_6
Roll No: 42427 Q6 BE 6
Aditi Kalegaonkar
```

```
HTML: -
<!---
Write a JavaScript program that will create an array and perform
following operations
• To remove specific element from the array.
• Check if an array contains a specified value.
• To empty an array
-->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-</pre>
scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="style_4.css">
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com"</pre>
crossorigin>
href="https://fonts.googleapis.com/css2?family=Josefin+Sans:ital,wght@
0,300;1,300&display=swap"
        rel="stylesheet">
</head>
<body class="josefin-sans-body">
    <h1>Array Operations</h1>
    <div class="Size">
        <label>Enter Array Size: </label>
        <input type="text" id="size" class="ipcontainer" />
```

```
JavaScript EXP_6
Roll No: 42427 Q6 BE 6
Aditi Kalegaonkar
       <br />
       <br />
   </div>
   <div class="operations">
       <div class="box">
           <label>Enter element: </label>
           <input type="text" id="ele" class="ipcontainer" />
           <br />
           <br />
           <button onclick="show()">Add Element</button>
           <br />
           <br />
       </div>
       <div class="box">
           <label>Enter element to be removed: </label>
           <input type="text" id="ele1" class="ipcontainer" />
           <button onclick="remove()">Submit</button>
           <br />
           <h3>Remove elements by creating another array</h3>
           <br />
           <h3>Remove elements by splice</h3>
           </div>
       <div class="box">
           <label>Enter element to be searched: </label>
           <input type="text" id="ele2" class="ipcontainer" />
           <button onclick="search()">Submit</button>
```

```
JavaScript EXP_6
Roll No: 42427 Q6 BE 6
Aditi Kalegaonkar
          <br />
          <h3>Linear Search</h3>
          <br />
          <h3>Search element using find</h3>
          </div>
       <div class="box">
          <h3>Delete array</h3>
          <button onclick="Delete()">Submit</button>
          <h3>Deletion m1</h3>
          <br />
          <h3>Deletion m2</h3>
          <br />
       </div>
   </div>
   <script src="2_9_25.js"></script>
</body>
</html>
CSS: -
.josefin-sans-body {
 font-family: "Josefin Sans", sans-serif;
 font-optical-sizing: auto;
 font-weight: 300;
 font-style: normal;
}
```

```
JavaScript EXP_6
Roll No: 42427 Q6 BE 6
Aditi Kalegaonkar
body{
  background-color: #EFEEEA;
}
input{
  background-color: aliceblue;
  border-radius: 5px;
  width: 100px;
  height: 20px;
  border-color: aliceblue;
}
label{
  font-weight: 700;
}
h1{
  text-align: center;
}
p{
  background-color: #EFEEEA;
  font-size: 20px;
 font-weight:600;
}
.Size{
 text-align: center;
}
```

```
JavaScript EXP_6
Roll No: 42427 Q6 BE 6
Aditi Kalegaonkar
.operations{
 display: flex;
 flex-direction: column;
 align-items: center;
}
.box{
  background-color: #273F4F;
 color: #EFEEEA;
 padding: 20px;
 margin: 20px;
 width: 400px;
 max-height: 400px;
 align-items: center;
  justify-items: center;
 border-radius: 10px;
}
button{
  background-color: #FE7743;
 color: #273F4F;
  border-radius: 5px;
 min-width: 60px;
 border-color: #FE7743;
 min-height: 30px;
 align-self: center;
 font-weight: 400;
}
JS:-
/*
```

```
JavaScript EXP_6
Roll No: 42427 Q6 BE 6
Aditi Kalegaonkar
Write a JavaScript program that will create an array and perform
following operations
• To remove specific element from the array.
• Check if an array contains a specified value.
• To empty an array
*/
var arr = [];
function show(){
    var ele = document.getElementById('ele').value;
    let size = parseInt(document.getElementById('size').value);
    if(arr.length >= size){
        document.getElementById("result1").innerHTML = "Array size
limit reached!";
        document.getElementById("result1").style.color = "#FE7743";
        return;
    }
    else{
        arr.push(ele);
        let text1 = "";
        for(var i = 0; i < arr.length; i++){</pre>
            text1 += arr[i] + " ";
        }
        document.getElementById("result1").innerHTML = text1;
        document.getElementById("result1").style.color = "#FE7743";
    }
}
function remove(){
    var ele = document.getElementById('ele1').value;
```

```
JavaScript EXP_6
Roll No: 42427 Q6 BE 6
Aditi Kalegaonkar
    var newarr = [];
    let text1 = "";
    for(var i = 0; i < arr.length; i++){</pre>
        if(arr[i] == ele) continue;
        else{
            newarr.push(arr[i]);
            text1 += arr[i] + " ";
        }
    }
    document.getElementById("result2").innerHTML = "Array elements:
" + text1;
    document.getElementById("result2").style.color = "#FE7743";
    for(var i = 0; i < arr.length; i++){</pre>
        if(arr[i] == ele) arr.splice(i,1);
    }
    let text2 = "";
    for(var i = 0; i < arr.length; i++){
        text2 += arr[i] + " ";
    }
    document.getElementById("result3").innerHTML = "Array elements:
" + text2;
    document.getElementById("result3").style.color ="#FE7743";
}
function search(){
    var ele = document.getElementById('ele2').value;
    var flag = 0, idx = -1;
    for(var i = 0; i < arr.length; i++){</pre>
        if(arr[i] == ele){
```

```
JavaScript EXP_6
Roll No: 42427 Q6 BE 6
Aditi Kalegaonkar
            flag = 1;
            idx = i;
            break;
        }
    }
    if(flag){
        document.getElementById("result4").innerHTML = "Found at index
" + idx;
        document.getElementById("result4").style.color = "#FE7743";
    }
    else{
        document.getElementById("result4").innerHTML = "Element not
found";
        document.getElementById("result4").style.color = "#FE7743";
    }
    idx = arr.indexOf(ele);
    if(idx == -1){
        document.getElementById("result5").innerHTML = "Element not
found";
        document.getElementById("result5").style.color = "#FE7743";
    }
    else{
        document.getElementById("result5").innerHTML = "Found at index
" + idx;
        document.getElementById("result5").style.color = "#FE7743";
    }
}
function Delete(){
    let text1 = "";
    for(var i = arr.length-1; i >= 0; i--){
```

```
JavaScript EXP_6
Roll No: 42427 Q6 BE 6
Aditi Kalegaonkar
        arr.pop();
        text1 += arr[i] + " ";
    }
    document.getElementById("result6").innerHTML = "Array elements:
" + text1;
    document.getElementById("result6").style.color = "#FE7743";
    let text2 = "";
    arr.splice(0,arr.length);
    for(var i = 0; i < arr.length; i++){</pre>
        text2 += arr[i] + " ";
    }
    document.getElementById("result7").innerHTML = "Array elements: "
    document.getElementById("result7").style.color = "#FE7743";
}
```