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| Division: 5 | Batch: P5 |

Practical No: 6 Perform different array operations using javaScript

Code:

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <script src="script.js"></script>

    <title>Array operations</title>

</head>

<style>

    body{

        text-align: center;

    }

    .res{

        text-align: center;

    }

</style>

<body>

    <h2>Arrays in JavaScript</h2>

    </h3>

    <form class="" method="post">

        <p>

            Enter array values separated by comma. <br>

            Eg: 1,2,3,4,5

        </p>

        <input type="text" id='arr' value="" />   :

        <button type="button" name="button" onclick="arrayip()">Submit Array</button><br><br>

        <span id="res2"></span><br><br><br>

        <input type="text" id='delete' value="" />  :

        <button type="button" name="button" onclick="del()">Delete an element</button><br><br>

        <span id="res3"></span><br><br><br>

        <input type="text" id='fnd' value="" /> :

        <button type="button" name="button" onclick="find()">Find an element</button><br><br>

        <span id="res4"></span><br><br><br>

        <div class="res">

            <button type="button" name="button" onclick="Empty()">Empty the Array</button><br>

            <span id="res5"></span><br><br>

            <button type="button" name="button" onclick="Display()">Display the Array</button><br><br>

            Resultant Array is : <span id="res6"></span><br><br>

        </div>

</body>

</html>

</body>

**Script.js**

var Array=[];

var n;

function arrayip(){

    let arr=document.getElementById('arr').value;

    Array=arr.split(',');

    var str="Array :"+Array;

    document.getElementById("res2").innerHTML=str;

    console.log(typeof(Array));

}

function del(){

    let val=document.getElementById('delete').value;

    var f=Array.indexOf(val);

    if(f==-1){

        var str="Value :"+val+" is not present in array";

        document.getElementById("res3").innerHTML=str;

    }

    else{

        delete Array[f];

        var str="Value :"+val+" is deleted";

        document.getElementById("res3").innerHTML=str;

    }

}

function find(){

    var val=document.getElementById('fnd').value;

     var f=Array.indexOf(val);

    if(f==-1){

        var str="Value :"+val+" is not present in array";

        document.getElementById("res4").innerHTML=str;

    }

    else{

        var str="Value :"+val+" is present in array at index "+f;

        document.getElementById("res4").innerHTML=str;

    }

}

function Empty(){

    Array=[];

    document.getElementById("res5").innerHTML="Array is Emptied";

}

function Display(){

    var str="";

    for(var i=0;i<Array.length;i++){

        if(Array[i]!=undefined)

            str+=Array[i] + " ";

    }

    document.getElementById("res6").innerHTML=str;

}

Output:

