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**Division: A**

**Mern Batch: 1**

**Q) WAP to implement any three array methods.**

<!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">

    <title>Array Methods</title>

    <style>

        button{

            margin-left: 5px;

        }

    </style>

</head>

<body>

    <div>

        <p>Enter Elements of array 1 : </p>

        <input type="text" placeholder="First Element" id="first">

        <input type="text" placeholder="Second Element" id="second">

        <input type="text" placeholder="Third Element" id="third">

        <input type="text" placeholder="Fourth Element" id="fourth">

        <input type="text" placeholder="Fifth Element" id="fifth">

    </div>

    <div>

        <p>Enter Elements of array 2 : </p>

        <input type="text" placeholder="First Element" id="first2">

        <input type="text" placeholder="Second Element" id="second2">

        <input type="text" placeholder="Third Element" id="third2">

        <input type="text" placeholder="Fourth Element" id="fourth2">

        <input type="text" placeholder="Fifth Element" id="fifth2">

    </div>

    <br>

    <div>

        <button type="button" onclick="pop1()">POP FROM ARRAY 1</button>

        <button type="button" onclick="pop2()">POP FROM ARRAY 2</button>

        <button type="button" onclick="concat()">CONCATENATE ARRAY 1 AND ARRAY 2</button>

        <button type="button" onclick="sort1()">SORT ARRAY 1 IN ASCENDING ORDER</button>

        <button type="button" onclick="sort2()">SORT ARRAY 2 IN ASCENDING ORDER</button>

    </div>

    <br>

    <div id="arraydisplayer">

    </div>

    <br>

    <div id="inserter">

    </div>

    <script>

        function array1getter(){

            var first=document.getElementById("first").value;

            var second=document.getElementById("second").value;

            var third=document.getElementById("third").value;

            var fourth=document.getElementById("fourth").value;

            var fifth=document.getElementById("fifth").value;

            var array1=new Array(first, second, third, fourth, fifth);

            return array1;

        }

        function array2getter(){

            var first=document.getElementById("first2").value;

            var second=document.getElementById("second2").value;

            var third=document.getElementById("third2").value;

            var fourth=document.getElementById("fourth2").value;

            var fifth=document.getElementById("fifth2").value;

            var array2=new Array(first, second, third, fourth, fifth);

            return array2;

        }

        function pop1(){

            var array1=array1getter();

            document.getElementById('arraydisplayer').innerHTML=`Array 1 : ${array1}`;

            var popped=array1.pop();

            document.getElementById('inserter').innerHTML=`Array after removal of ${popped} is : ${array1}`;

        }

        function pop2(){

            var array2=array2getter();

            document.getElementById('arraydisplayer').innerHTML=`Array 2 : ${array2}`;

            var popped=array2.pop();

            document.getElementById('inserter').innerHTML=`Array after removal of ${popped} is : ${array2}`;

        }

        function concat(){

            var array1=array1getter();

            var array2=array2getter();

            document.getElementById('arraydisplayer').innerHTML=`Array 1 : ${array1}<br>Array 2 : ${array2}`;

            var arrayconcatenated=array1.concat(array2);

            document.getElementById('inserter').innerHTML=`After concatenation of 2 arrays final array is : ${arrayconcatenated}`;

        }

        function sort1(){

            var array1=array1getter();

            document.getElementById('arraydisplayer').innerHTML=`Array 1 : ${array1}`;

            array1.sort();

            document.getElementById('inserter').innerHTML=`After sorting in ascending order array is : ${array1}`;

        }

        function sort2(){

            var array2=array2getter();

            document.getElementById('arraydisplayer').innerHTML=`Array 2 : ${array2}`;

            array2.sort();

            document.getElementById('inserter').innerHTML=`After sorting in ascending order array is : ${array2}`;

        }

    </script>

</body>

</html>