**DIFFERENT WAYS OF SORTING IN JAVASCRIPT**

1. **SORTING AN ARRAY IN ASCENDING ORDER :**

<!DOCTYPE html>

<html>

<body>

<h2> Sorting Array in alphabetical order using JavaScript </h2>

<p id="demo1"> </p>

<p id="demo2"> </p>

<script>

const fruits = ["Blueberries", "Olive", "Avocado", "Melon", "Dragon fruit", "Grapes", "Java Apple"];

document.getElementById("demo1").innerHTML = fruits;

fruits.sort();

document.getElementById("demo2").innerHTML = fruits;</script>

</body>

</html>

1. **REVERSING THE SORTED ARRAY :**

<!DOCTYPE html>

<html>

<body>

<h2> Reversing an array using JavaScript </h2>

<p id="demo1"></p>

<p id="demo2"></p>

<script>

const fruits = ["Blueberries", "Olive", "Avocado", "Melon", "Dragon fruit", "Grapes", "Java Apple"];

document.getElementById("demo1").innerHTML = fruits;

fruits.sort();

fruits.reverse();

document.getElementById("demo2").innerHTML = fruits;

</script>

</body>

</html>

1. SORTING AN ARRAY IN ASCENDING ORDER :

<!DOCTYPE html>

<html>

<body>

<p> Sorting the array in ascending order using JavaScript </p>

<p id="demo1"> </p>

<p id="demo2"> </p>

<script>

const points = [97, 45, 65, 5, 54, 88, 65];

document.getElementById("demo1").innerHTML = points;

points.sort(function(a, b){return a - b});

document.getElementById("demo2").innerHTML = points;

</script>

</body>

</html>

1. **SORTING AN ARRAY IN DESCEDING ORDER :**

<!DOCTYPE html>

<html>

<body>

<p>Sorting the array in ascending order using JavaScript</p>

<p id="demo1"> </p>

<p id="demo2"> </p>

<script>

const points = [0, 98, 67, 66, 5, 4, 6, 8, 9 ,7];

document.getElementById("demo1").innerHTML = points;

points.sort(function(a, b){return b - a});

document.getElementById("demo2").innerHTML = points;

</script>

</body>

</html>

1. **SORTING AN ARRAY IN RANDOM ORDER :**

<!DOCTYPE html>

<html>

<body>

<p>Click the button, the program will sort the array in random order.</p>

<button onclick="myFunction()"> Random </button>

<p id="demo"> </p>

<script>

const points = [45, 6, 76, 44, 34, 32, 2];

document.getElementById("demo").innerHTML = points;

function myFunction() {

points.sort(function(a, b){return 0.5 - Math.random()});

document.getElementById("demo").innerHTML = points;

}

</script>

</body>

</html>