

# LAB EXPERIMENT 6

## AIM :

To write a JavaScript program to define a user defined function for sorting the values in an array.

## THEORY :

JavaScript is a scripting language that enables you to create dynamically updating content, control multimedia, animate images, and pretty much everything else.

The core client-side JavaScript language consists of some common programming features that allow you to do things like:

- Store useful values inside variables. In the above example for instance, we ask for a new name to be entered then store that name in a variable called name.
- Operations on pieces of text (known as "strings" in programming). In the above example we take the string "Player 1: " and join it to the name variable to create the complete text label, e.g. "Player 1: Chris".
- Running code in response to certain events occurring on a web page. We used a click event in our example above to detect when the button is clicked and then run the code that updates the text label.

What is even more exciting however is the functionality built on top of the client-side JavaScript language. So-called Application Programming Interfaces provide you with extra superpowers to use in your JavaScript code.

## CODE:

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css">
    <meta charset="utf-8">
    <title>JS Sort</title>
  </head>
  <body>
    <div class="py-5 text-center dark">
      <div class="jumbotron">
        <h1 class="display-4">JavaScript</h1>
        <p class="lead mx-5">JavaScript is a scripting or programming language that allows you to
implement
        complex features on web pages everytime a web page does more than just sit there
        and display static information for you to look at displaying timely content updates,
        interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, etc. It is the
        third layer of the layer cake of standard web technologies, two of which are HTML
```

```

    and CSS.</p>
<hr class="my-4">
<h2 class="display-4">Sorting Array</h2>
<p>Click the button to sort the array.</p>
<p class="lead">
    <a class="btn btn-primary btn-lg" onclick="myFunction()" role="button">Click Here</a>
</p>
<p id="result"></p>
</div>

<script>
var fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("result").innerHTML = fruits;

function myFunction() {
    fruits.sort();
    document.getElementById("result").innerHTML = fruits;
}
</script>
</body>
</html>

```

## OUTPUT:

# JavaScript

JavaScript is a scripting or programming language that allows you to implement complex features on web pages everytime a web page does more than just sit there and display static information for you to look at displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, etc. It is the third layer of the layer cake of standard web technologies, two of which are HTML and CSS.

## Sorting Array

Click the button to sort the array.

Click Here

Banana,Orange,Apple,Mango