

# index.html

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<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Title</title>
  <link rel="stylesheet" href="./css/bootstrap.min.css">
</head>

<body>
  <div class="container">
    <div class="row">
      <div class="col-sm-12">
        <h1 class="text-primary">Sort array using JavaScript</h1>
        <hr>
        <form id="myform">
          <div class="form-group">
            <label for="arrayInput">Enter an array: </label>
            <input type="text" class="form-control"
name="arrayInput" id="arrayInput"
          aria-describedby="helpId" pattern="([0-
9.]+\s+)*[0-9.]+ required />
            <small id="helpId" class="form-text text-muted">
              Enter a list of integers separated by spaces
            </small>
          </div>
          <button type="submit" class="btn btn-
primary">Sort</button>
        </form>
        <br>
        <h4 id="sortedArray"></h4>
      </div>
    </div>
  </div>
  <script src="./js/bootstrap.min.js"></script>
  <script src="./js/jquery-3.3.1.min.js"></script>
  <script>
    $(document).ready(function () {

      $('#myform').submit(function (event) {
        event.preventDefault();

        // const arrayInput = $('#arrayInput');
        const sortedArrayOutput = $('#sortedArrayOutput');
        let array = $('#arrayInput').val().split(' ').map((value)
=> +value);

        bubbleSort(array);
        $('#sortedArray').text('Sorted Array: ' + array.join(',
')));
      });
    });
  </script>
</body>
</html>
```

```
    });  
  
    function bubbleSort(array) {  
        const n = array.length;  
        for (let i = 0; i < n - 1; i++) {  
            for (let j = 0; j < n - i - 1; j++) {  
                if (array[j] > array[j + 1]) {  
                    let temp = array[j];  
                    array[j] = array[j + 1];  
                    array[j + 1] = temp;  
                }  
            }  
        }  
    }  
});  
</script>  
</body>  
</html>
```

## Sort array using JavaScript

Enter an array:

Enter a list of integers separated by spaces

Sort

Sorted Array: 1, 2, 8, 10, 15, 25, 40, 58, 80