

## Copilot

Sure! Here's a simple JavaScript program that sorts an array of numbers using the Bubble Sort algorithm, without using any built-in sorting functions. This example includes HTML to run the script:

```
<!DOCTYPE html>
<html>
<head>
  <title>Bubble Sort Example</title>
</head>
<body>
  <h2>Bubble Sort in JavaScript</h2>
  <script>
    function bubbleSort(arr) {
      let n = arr.length;
      for (let i = 0; i < n - 1; i++) {
        for (let j = 0; j < n - i - 1; j++) {
          if (arr[j] > arr[j + 1]) {
            // Swap arr[j] and arr[j + 1]
            let temp = arr[j];
            arr[j] = arr[j + 1];
            arr[j + 1] = temp;
          }
        }
      }
      return arr;
    }

    // Example usage
    let numbers = [64, 34, 25, 12, 22, 11, 90];
    console.log("Unsorted array:", numbers);
    let sortedNumbers = bubbleSort(numbers);
    console.log("Sorted array:", sortedNumbers);
  </script>
</body>
</html>
```

This script defines a `bubbleSort` function that sorts an array of numbers in ascending order. The example usage demonstrates sorting an array of numbers and logs both the unsorted and sorted arrays to the console.

Feel free to copy this code into an HTML file and open it in your browser to see it in action! If you have any questions or need further assistance, just let me know.