

```
<html>
```

```
<script> function test() {
```

```
    var x = [1, 5, 6, 7, 8];
```

```
    bubbleSort(x);
```

```
}
```

```
function bubbleSort(array) {
```

```
    var step = 0;
    for (var i = 0; i < array.length - 1; i++) {
        for (var j = 0; j < array.length - 1 - i; j++) {
            printStep(array, step++);
            if (array[j] < array[j + 1]) {
                var tmp = array[j];
                array[j] = array[j + 1];
                array[j + 1] = tmp;
            }
        }
    }
}
```

```
}
```

```
function printStep(array, step) {
```

```
    var container = document.getElementById("container");
    container.innerHTML += "Step " + step + ": "
    for (var index = 0; index < array.length; index++) {
        container.innerHTML += array[index] + " ";
    }
    container.innerHTML += "<br />";
```

```
}
```

```
</script>
```

```
<h1>Bubblesort Walkthrough</h1>
```

```
<div id="container">
```

```
</div>
```

```
<script src="bubblesort.js"></script>
```

```
<button onclick="test()">Test me!</button>
```

```
</html>
```

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