

Our Solution(s)	Run Code	Your Solutions	Run Code
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Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 // Best: O(n) time | O(1) space
4 // Average: O(n^2) time | O(1) space
5 // Worst: O(n^2) time | O(1) space
6 function bubbleSort(array) {
7   let isSorted = false;
8   let counter = 0;
9   while (!isSorted) {
10     isSorted = true;
11     for (let i = 0; i < array.length - 1 - counter; i++) {
12       if (array[i] > array[i + 1]) {
13         swap(i, i + 1, array);
14         isSorted = false;
15       }
16     }
17     counter++;
18   }
19   return array;
20 }
21
22 function swap(i, j, array) {
23   const temp = array[j];
24   array[j] = array[i];
25   array[i] = temp;
26 }
27
28 exports.bubbleSort = bubbleSort;
29
```

Solution 1   Solution 2   Solution 3

```
1 function bubbleSort(array) {
2   // Write your code here.
3 }
4
5 // Do not edit the line below.
6 exports.bubbleSort = bubbleSort;
7
```

Run or submit code when you're ready.

#### Our Tests

```
1 // String concat = concat(String s) {  
2 // String concat = concat(String s) {  
3
```