

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 insertionSort(array) {
7   for (let i = 1; i < array.length; i++) {
8     let j = i;
9     while (j > 0 && array[j] < array[j - 1]) {
10       swap(j, j - 1, array);
11       j -= 1;
12     }
13   }
14   return array;
15 }
16
17 function swap(i, j, array) {
18   const temp = array[j];
19   array[j] = array[i];
20   array[i] = temp;
21 }
22
23 exports.insertionSort = insertionSort;
24
```

Solution 1 Solution 2 Solution 3

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

Run or submit code when you're ready.

Our Tests

```
1  assert isinstance(my_answer, int)
2  assert 0 < my_answer < 10
3
4  # You have 40 seconds to write your answer
5  # Please don't forget to click the "Run" button!
```