

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^2) time | O(1) space
4 // Average: O(n^2) time | O(1) space
5 // Worst: O(n^2) time | O(1) space
6 function selectionSort(array) {
7   let startIdx = 0;
8   while (startIdx < array.length - 1) {
9     let smallestIdx = startIdx;
10    for (let i = startIdx + 1; i < array.length; i++) {
11      if (array[smallestIdx] > array[i]) smallestIdx = i;
12    }
13    swap(startIdx, smallestIdx, array);
14    startIdx++;
15  }
16  return array;
17 }
18
19 function swap(i, j, array) {
20   const temp = array[j];
21   array[j] = array[i];
22   array[i] = temp;
23 }
24
25 exports.selectionSort = selectionSort;
26
```

Solution 1 Solution 2 Solution 3

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

Run or submit code when you're ready.

Our Tests

```
1  assert program == expected, "program" %s
2  assert data == expected, "data" %s
3
4  def TestCases(unittest.TestCase):
5      def _assertProgram(self, actual, expected):
6          self.assertEqual(actual, expected)
7      def _assertData(self, actual, expected):
8          self.assertEqual(actual, expected)
9
10     def TestCases(unittest.TestCase):
11         self.assertProgram(actual, expected)
12         self.assertData(actual, expected)
13     def _assertProgram(self, actual, expected):
14         self.assertEqual(actual, expected)
15     def _assertData(self, actual, expected):
16         self.assertEqual(actual, expected)
```