AlgoExpert

Quad Layout

JavaScript

14рх

Sublime

Solution 1 Solution 2

Monokai

00:00:

Our Solution(s)

```
Run Code
```

Your Solutions

Run Code

```
Solution 1
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   // O(n) time | O(1) space
   function findThreeLargestNumbers(array) {
     const threeLargest = [null, null, null];
     for (const num of array) \{
       updateLargest(threeLargest, num);
9
     return threeLargest;
10 }
11
12 function updateLargest(threeLargest, num) {
13
     if (threeLargest[2] === null || num > threeLargest[2]) {
14
       shiftAndUpdate(threeLargest, num, 2);
15
     } else if (threeLargest[1] === null || num > threeLargest[1]) {
16
       shiftAndUpdate(threeLargest, num, 1);
17
     } else if (threeLargest[0] === null || num > threeLargest[0]) {
18
       \verb| shiftAndUpdate(threeLargest, num, 0); \\
19
20 }
21
22
   function shiftAndUpdate(array, num, idx) {
     for (let i = 0; i <= idx; i++) {</pre>
23
       if (i === idx) {
         array[i] = num;
26
       } else {
27
         array[i] = array[i + 1];
28
29
30 }
31
32 exports.findThreeLargestNumbers = findThreeLargestNumbers;
33
```

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

Solution 3

Custom Output Submit Code



Our Tests