

Solution 1Solution 2Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 // O(nlog(n)) | O(1) space
4 function twoNumberSum(array, targetSum) {
5   array.sort((a, b) => a - b);
6   let left = 0;
7   let right = array.length - 1;
8   while (left < right) {
9     const currentSum = array[left] + array[right];
10    if (currentSum === targetSum) {
11      return [array[left], array[right]];
12    } else if (currentSum < targetSum) {
13      left++;
14    } else if (currentSum > targetSum) {
15      right--;
16    }
17  }
18  return [];
19 }
20
21 exports.twoNumberSum = twoNumberSum;
22
```

Solution 1Solution 2Solution 3

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

Run or submit code when you're ready.
