Our Solution(s) | Run Code

Solution 1   Solution 2   Solution 3

```javascript
1  // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3  // O(n) time | O(n) space
4  function twoNumberSum(array, targetSum) {
5    const nums = {};
6    for (const num of array) {
7      const potentialMatch = targetSum - num;
8      if (potentialMatch in nums) {
9        return [potentialMatch, num];
10     } else {
11       nums[num] = true;
12     }
13   }
14   return [];
15 }
16
17 exports.twoNumberSum = twoNumberSum;
18
```

Your Solutions | Run Code

Solution 1   Solution 2   Solution 3

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

Custom Output | Submit Code

Run or submit code when you're ready.