Our Solution(s)   Run Code

Solution 1   **Solution 2**   **Solution 3**

```swift
1  // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3  class Program {
4      // O(nlog(n)) time | O(1) space
5      func twoNumberSum(array: [Int], targetSum: Int) -> [Int] {
6          let array = array.sorted()
7
8          var leftPointer = 0
9          var rightPointer = array.count - 1
10
11         while leftPointer < rightPointer {
12             let leftMost = array[leftPointer]
13             let rightMost = array[rightPointer]
14
15             let currentSum = leftMost + rightMost
16
17             if currentSum == targetSum {
18                 return [leftMost, rightMost]
19             } else if currentSum < targetSum {
20                 leftPointer = leftPointer + 1
21             } else if currentSum > targetSum {
22                 rightPointer = rightPointer - 1
23             }
24         }
25
26         return []
27     }
28 }
29
```

Your Solutions   Run Code

Solution 1   **Solution 2**   **Solution 3**

```swift
1  class Program {
2      func twoNumberSum(array: [Int], targetSum: Int) -> [Int] {
3          // Write your code here.
4          return []
5      }
6  }
7
```

Custom Output   Submit Code

```swift
1  class Program {
2      func twoNumberSum(array: [Int], targetSum: Int) -> [Int] {
3          // Write your code here.
4          return []
5      }
6  }
7
```

Run or submit code when you're ready.