

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 class Program {
4     // O(n^2) time | O(n) space
5     func threeNumberSum(array: inout [Int], targetSum: Int) -> [[Int]] {
6         array.sort()
7
8         var triplets: [[Int]] = []
9
10        for i in 0 ..< array.count - 2 {
11            var left = i + 1
12            var right = array.count - 1
13
14            while left < right {
15                let currentSum = array[i] + array[left] + array[right]
16
17                if currentSum == targetSum {
18                    triplets.append([array[i], array[left], array[right]])
19
20                    left = left + 1
21                    right = right - 1
22                } else if currentSum < targetSum {
23                    left = left + 1
24                } else if currentSum > targetSum {
25                    right = right - 1
26                }
27            }
28        }
29        return triplets
30    }
31 }
32
```

Solution 1 Solution 2 Solution 3

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

Run or submit code when you're ready.