

Our Solution(s)

Run Code

Run Code

Solution 1	Solution 2	Solution 3
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```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using System.Collections.Generic;
4
5 public class Program {
6     public static int[] TwoNumberSum(int[] array, int targetSum) {
7         HashSet<int> nums = new HashSet<int>();
8         foreach (int num in array) {
9             int potentialMatch = targetSum - num;
10            if (nums.Contains(potentialMatch)) {
11                return new int[] {potentialMatch, num};
12            } else {
13                nums.Add(num);
14            }
15        }
16        return new int[0];
17    }
18 }
19
```

Your Solutions

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Solution 1	Solution 2	Solution 3
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```
1 public class Program {
2     public static int[] TwoNumberSum(int[] array, int targetSum) {
3         // Write your code here.
4         return null;
5     }
6 }
7
```

Our Tests

Custom Output

Submit Code

Submit Code

```
10000 expected = 25, 50, 75, 100
10000 output = ProgramTestRunnerTest(10000) 25, 50, 75, 100
10000 RunProgramTestRunnerTest()
10000 RunProgramTestRunnerTest(10000, expected)
10000 }
10000
10000 (Test)
10000 10000 TestRunnerTest()
10000 10000 expected = 25, 50, 75, 100
10000 10000 output = ProgramTestRunnerTest(10000) 25, 50, 75, 100
10000 10000 RunProgramTestRunnerTest()
10000 10000 RunProgramTestRunnerTest(10000, expected)
10000 }
10000
10000 (Test)
```

Run or submit code when you're ready.