Prompt   Scratchpad   Our Solution(s)   Video Explanation   Run Code

Your Solutions   Run Code

Solution 1

Solution 1   Solution 2   Solution 3

```csharp
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using System;
using System.Collections.Generic;

public class Program {
  // O(n^2) time | O(n) space
  public static List<int[]> ThreeNumberSum(int[] array, int targetSum) {
    Array.Sort(array);
    List<int[]> triplets = new List<int[]>();
    for (int i = 0; i < array.Length - 2; i++) {
      int left = i + 1;
      int right = array.Length - 1;
      while (left < right) {
        int currentSum = array[i] + array[left] + array[right];
        if (currentSum == targetSum) {
          int[] newTriplet = {array[i], array[left], array[right]};
          triplets.Add(newTriplet);
          left++;
          right--;
        } else if (currentSum < targetSum) {
          left++;
        } else if (currentSum > targetSum) {
          right--;
        }
      }
    }
    return triplets;
  }
}
```

```csharp
using System.Collections.Generic;

public class Program {
  public static List<int[]> ThreeNumberSum(int[] array, int targetSum) {
    // Write your code here.
    return null;
  }
}
```

Custom Output   Raw Output   Submit Code

Run or submit code when you're ready.