Our Solution(s)   Run Code

Solution 1

```javascript
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// O(n^2) time | O(n) space
function threeNumberSum(array, targetSum) {
  array.sort((a, b) => a - b);
  const triplets = [];
  for (let i = 0; i < array.length - 2; i++) {
    let left = i + 1;
    let right = array.length - 1;
    while (left < right) {
      const currentSum = array[i] + array[left] + array[right];
      if (currentSum === targetSum) {
        triplets.push([array[i], array[left], array[right]]);
        left++;
        right--;
      } else if (currentSum < targetSum) {
        left++;
      } else if (currentSum > targetSum) {
        right--;
      }
    }
  }
  return triplets;
}

exports.threeNumberSum = threeNumberSum;
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

```javascript
function threeNumberSum(array, targetSum) {
  // Write your code here.
}

// Do not edit the line below.
exports.threeNumberSum = threeNumberSum;
```

Custom Output   Raw Output   Submit Code

Run or submit code when you're ready.