

2 Sum Closest

```
1 class Solution(object):
2     def closest(self, array, target):
3         """
4         input: int[] array, int target
5         return: Integer[]
6         """
7         # write your solution here
8         array.sort()
9         left = 0
10        right = len(array) - 1
11        min_diff = float('inf')
12        while left < right:
13            sum_val = array[left] + array[right]
14            if abs(sum_val - target) < min_diff:
15                min_diff = abs(sum_val - target)
16                result = [array[left], array[right]]
17            if sum_val < target:
18                left += 1
19            else:
20                right -= 1
21        return result
```