

#15 Days of Coding Challenge
#Day 6

Two sum II - input array is sorted
#Leetcode 167

Solution:

```
class Solution {
public:
    vector<int> twoSum(vector<int>& numbers, int target) {
        int left = 0;
        int right = numbers.size() - 1;

        while (left < right) {
            int total = numbers[left] + numbers[right];

            if (total == target) {
                return {left + 1, right + 1};
            } else if (total > target) {
                right--;
            } else {
                left++;
            }
        }
        return {-1, -1}; // If no solution is found
    }
};
```

Time Complexity: $O(n)$
Space Complexity: $O(1)$