LeetCode Medium – Two Pointer Problem

Problem:
Given an array of integers numbers sorted in non-decreasing order, find two numbers such that
they add up to a specific target number.
Return the indices of the two numbers (1-indexed).

Example:
Input: numbers = [2,7,11,15], target = 9
Output: [1,2]

Approach (Two Pointer):
- Use two pointers: left at start, right at end
- If sum is smaller, move left
- If sum is larger, move right

C++ Solution:
```
class Solution {
public:
  vector twoSum(vector& numbers, int target) {
   int left = 0, right = numbers.size() - 1;
   while (left < right) {
    int sum = numbers[left] + numbers[right];
    if (sum == target)
     return {left + 1, right + 1};
    else if (sum < target)
     left++;
    else
     right--;
   }
   return {};
  }
};
```
Time Complexity: O(n)
Space Complexity: O(1)