

#15 Days of Coding Challenge

#Day 9

Container with most water

#Leetcode 11

Solution:

```
class Solution {
public:
    int maxArea(vector<int>& height) {
        int maxArea = 0;
        int left = 0;
        int right = height.size() - 1;

        while (left < right) {
            maxArea = max(maxArea, (right - left) * min(height[left], height[right]));

            if (height[left] < height[right]) {
                left++;
            } else {
                right--;
            }
        }

        return maxArea;
    }
};
```

Time Complexity: $O(n)$

Space Complexity: $O(1)$