class Solution {

    public int maxArea(int[] height) {

        int currMax = 0, maxValue = 0;

        int l = 0, r = height.length-1;

        for(int i=0; i<height.length-1; i++) {

            int h = Math.min(height[l], height[r]);

            int w = r-l;

            currMax = h \* w;

            if(currMax > maxValue)

                maxValue = currMax;

            if(height[l] <= height[r])

                l++;

            else if(height[l] > height[r])

                r--;

        }

        return maxValue;

    }

}

**Example 1:**



**Input:** height = [1,8,6,2,5,4,8,3,7]

**Output:** 49

**Explanation:** The above vertical lines are represented by array [1,8,6,2,5,4,8,3,7]. In this case, the max area of water (blue section) the container can contain is 49.

**Example 2:**

**Input:** height = [1,1]

**Output:** 1