1.

```
def maxArea(height):
                                                                                     49
        left, right = 0, len(height) - 1
        max_area = 0
        while left < right:</pre>
                                                                                     === Code Execution Successful ===
           width = right - left
 6
            height_min = min(height[left], height[right])
            max_area = max(max_area, width * height_min)
            if height[left] < height[right]:</pre>
                left += 1
                right -= 1
        return max_area
15 height1 = [1, 8, 6, 2, 5, 4, 8, 3, 7]
16 print(maxArea(height1))
18 height2 = [1, 1]
19 print(maxArea(height2))
```

2.

3.

4.

5.

```
def threeSum(nums):
          nums.sort()
          result = []
                                                                                                                             [[0, 0, 0]]
          n = len(nums)
          for i in range(n - 2):
    if i > 0 and nums[i] == nums[i - 1]:
                                                                                                                              === Code Execution Successful ===
               continue
left, right = i + 1, n - 1
while left < right:</pre>
                    total = nums[i] + nums[left] + nums[right]
                    if total < 0:
                         right -= 1
                          result.append([nums[i], nums[left], nums[right]])
                          while left < right and nums[left] == nums[left + 1]:</pre>
                         while left < right and nums[right] == nums[right - 1]:
    right -= 1</pre>
20
                          left += 1
                         right -= 1
25 print(threeSum([-1, 0, 1, 2, -1, -4]))
26 print(threeSum([0, 1, 1]))
27 print(threeSum([0, 0, 0]))
```

6.

8.

```
[[-2, -1, 1, 2], [-2, 0, 0, 2], [-1, 0, 0, 1]]
[[2, 2, 2, 2]]
```