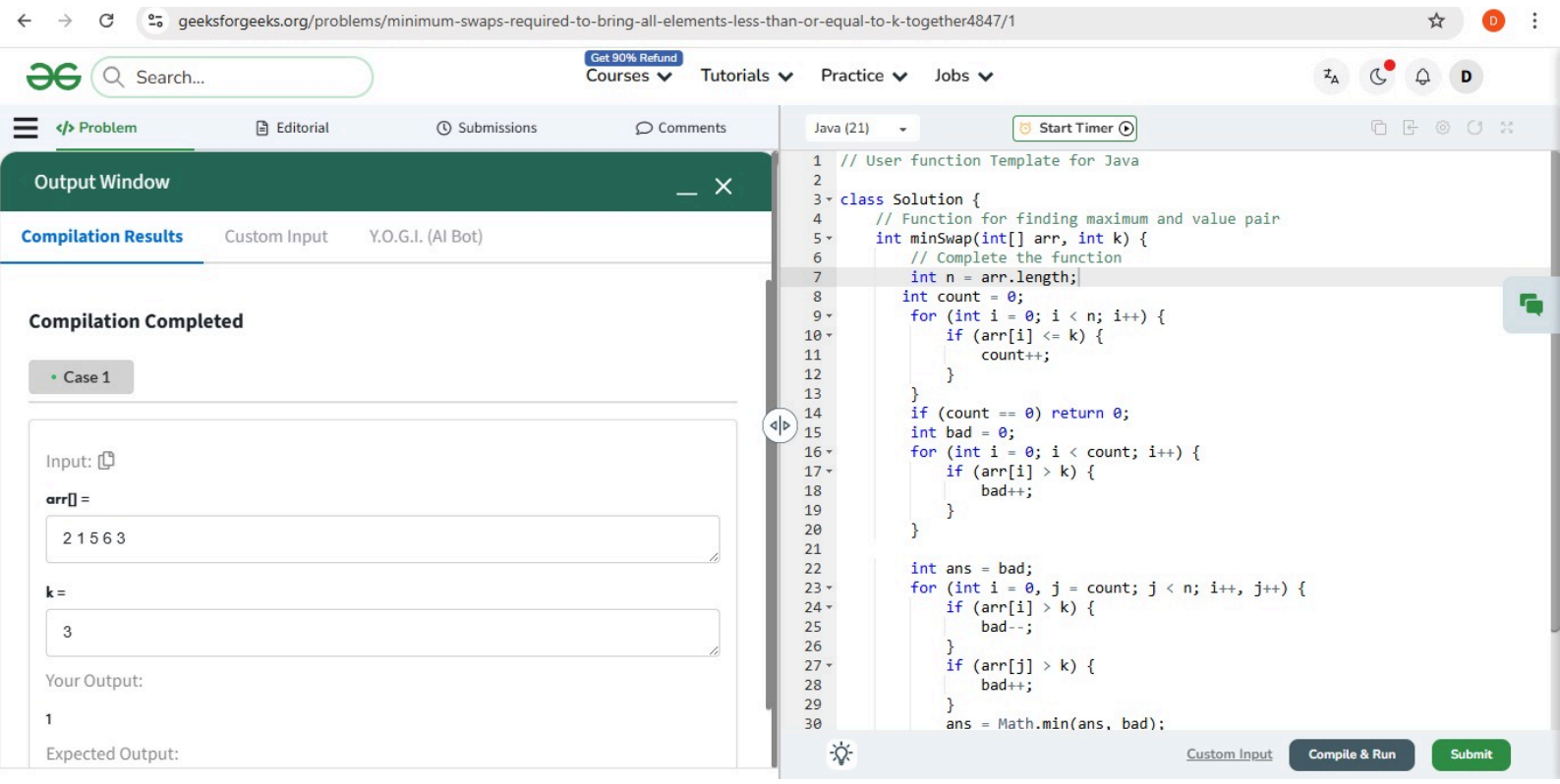
geeksforgeeks.org/problems/minimum-swaps-required-to-bring-all-elements-less-than-or-equal-to-k-together4847/1
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Problem
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Comments
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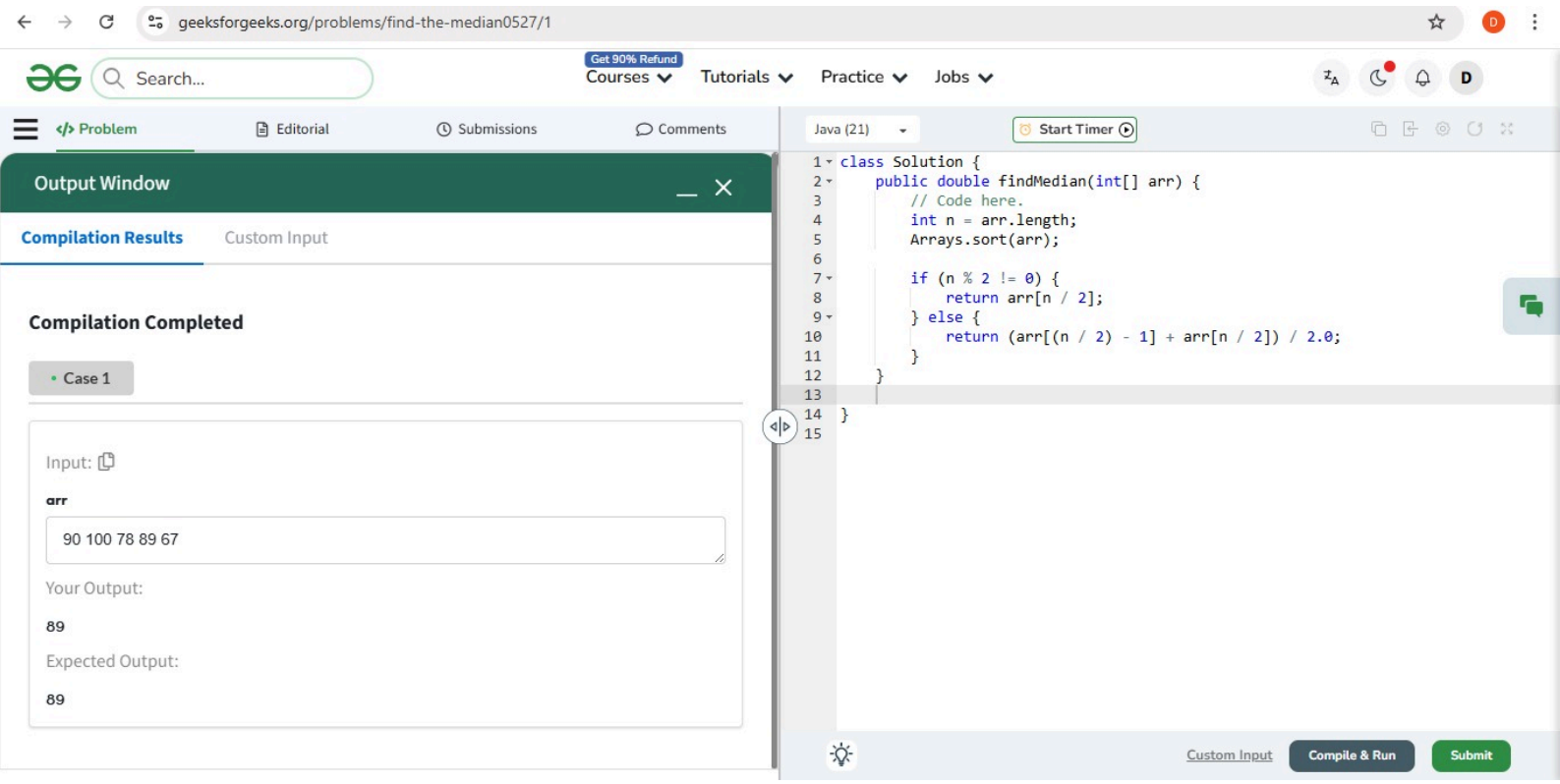
Compilation Results
Custom Input
Y.O.G.I. (AI Bot)
Compilation Completed
Case 1
Input:
arr[] =
2 1 5 6 3
k =
3
Your Output:
1
Expected Output:
Java (21)
Start Timer
1 // User function Template for Java
2
3 class Solution {
4 // Function for finding maximum and value pair
5 int minSwap(int[] arr, int k) {
6 // Complete the function
7 int n = arr.length;
8 int count = 0;
9 for (int i = 0; i < n; i++) {
10 if (arr[i] <= k) {
11 count++;
12 }
13 }
14 if (count == 0) return 0;
15 int bad = 0;
16 for (int i = 0; i < count; i++) {
17 if (arr[i] > k) {
18 bad++;
19 }
20 }
21
22 int ans = bad;
23 for (int i = 0, j = count; j < n; i++, j++) {
24 if (arr[i] > k) {
25 bad--;
26 }
27 if (arr[j] > k) {
28 bad++;
29 }
30 ans = Math.min(ans, bad);
Custom Input
Compile & Run
Submit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Jobs
Problem
Editorial
Submissions
Comments
Output Window
Compilation Results
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Compilation Completed
Case 1
Input:
arr
90 100 78 89 67
Your Output:
89
Expected Output:
89
Java (21)
Start Timer
1 class Solution {
2 public double findMedian(int[] arr) {
3 // Code here.
4 int n = arr.length;
5 Arrays.sort(arr);
6
7 if (n % 2 != 0) {
8 return arr[n / 2];
9 } else {
10 return (arr[(n / 2) - 1] + arr[n / 2]) / 2.0;
11 }
12 }
13
14 }
15
Custom Input
Compile & Run
Submit

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Problem Editorial Submissions Comments

Spirally traversing a matrix

Difficulty: **Medium** Accuracy: **35.2%** Submissions: **342K+** Points: **4**

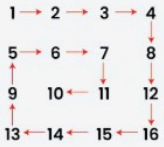
You are given a rectangular matrix **mat[][]** of size **n x m**, and your task is to return an array while **traversing** the matrix in **spiral** form.

Examples:

Input: mat[][] = [[1, 2, 3, 4], [5, 6, 7, 8], [9, 10, 11, 12], [13, 14, 15, 16]]
Output: [1, 2, 3, 4, 8, 12, 16, 15, 14, 13, 9, 5, 6, 7, 11, 10]
Explanation:

Example of matrix in spiral form

Matrix:

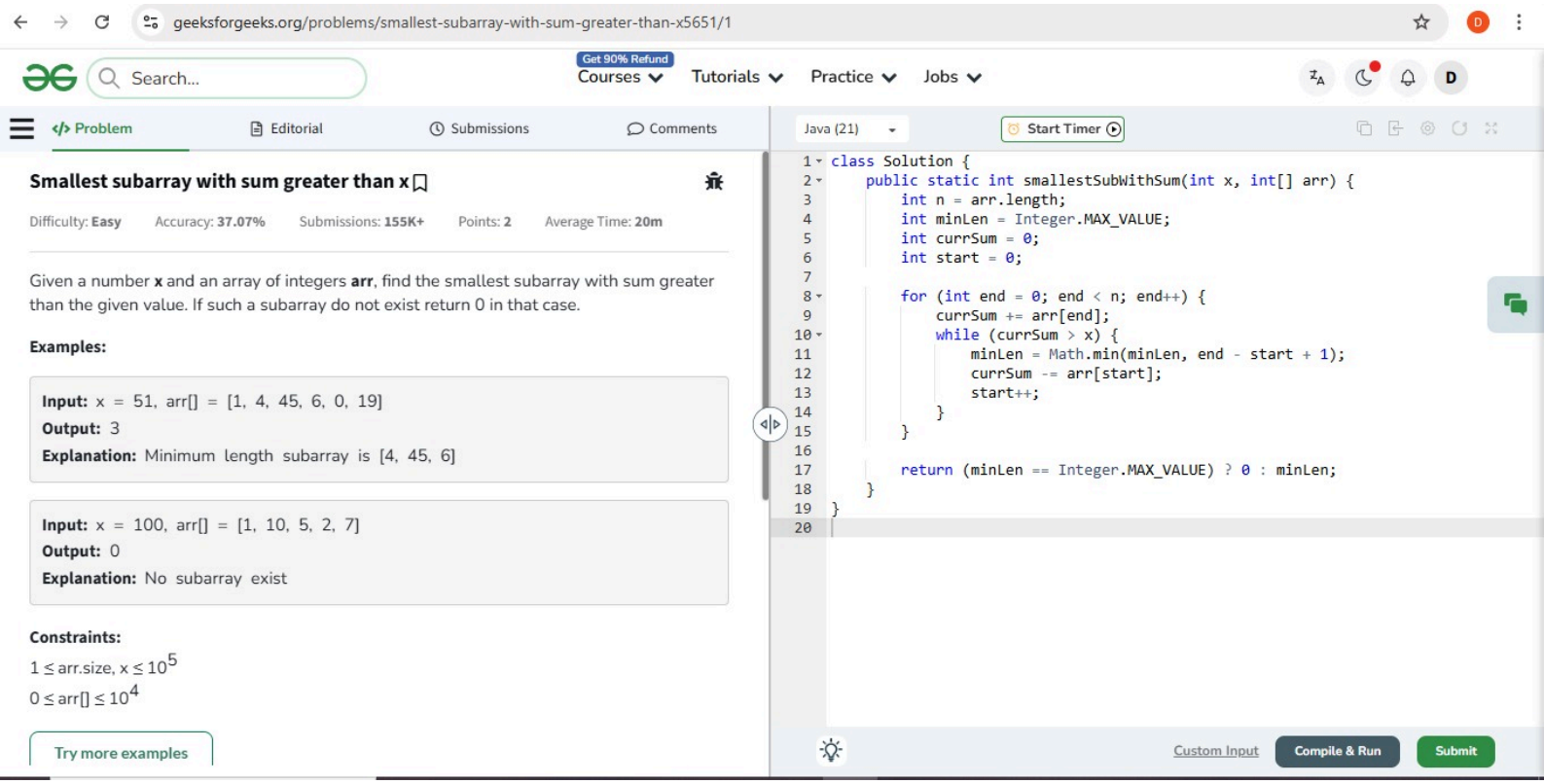


Output: 1, 2, 3, 4, 8, 12, 16, 15, 14, 13, 9, 5, 6, 7, 11, 10

Java (21) Start Timer

```java
class Solution {
    public ArrayList<Integer> spirallyTraverse(int[][] mat) {
        // code here
        ArrayList<Integer> res = new ArrayList<>();

        int n = mat.length;
        int m = mat[0].length;

        int top = 0, bottom = n - 1;
        int left = 0, right = m - 1;

        while (top <= bottom && left <= right) {

            for (int i = left; i <= right; i++) {
                res.add(mat[top][i]);
            }
            top++;

            for (int i = top; i <= bottom; i++) {
                res.add(mat[i][right]);
            }
            right--;

            if (top <= bottom) {
                for (int i = right; i >= left; i--) {
                    res.add(mat[bottom][i]);
                }
                bottom--;
            }
```

Custom Input Compile & Run Submit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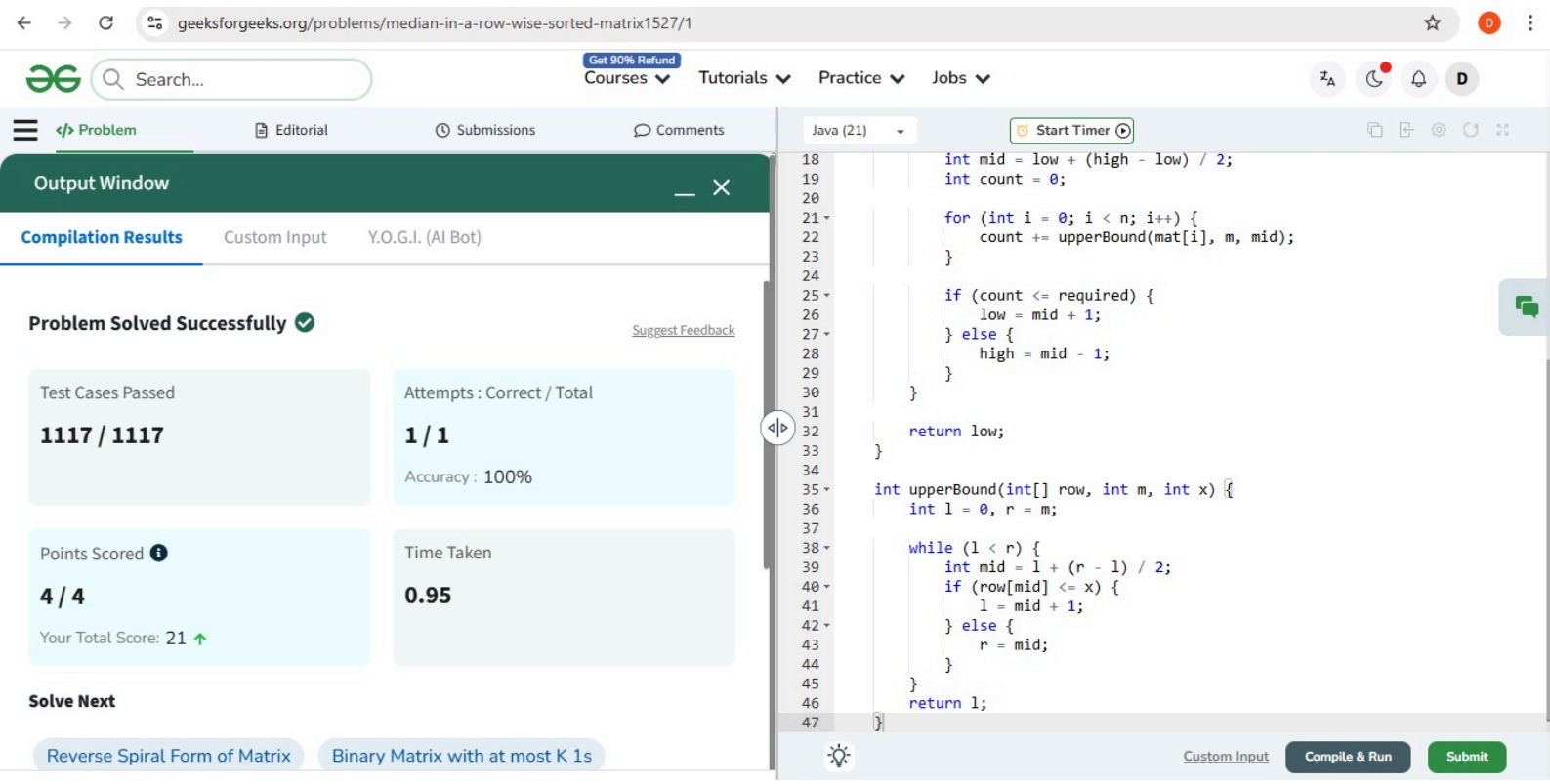
Java (21)
Start Timer
Smallest subarray with sum greater than x
Difficulty: Easy
Accuracy: 37.07%
Submissions: 155K+
Points: 2
Average Time: 20m
Given a number x and an array of integers arr, find the smallest subarray with sum greater than the given value. If such a subarray do not exist return 0 in that case.
Examples:
Input: x = 51, arr[] = [1, 4, 45, 6, 0, 19]
Output: 3
Explanation: Minimum length subarray is [4, 45, 6]
Input: x = 100, arr[] = [1, 10, 5, 2, 7]
Output: 0
Explanation: No subarray exist
Constraints:
1 ≤ arr.size, x ≤ 10^5
0 ≤ arr[] ≤ 10^4
Try more examples
class Solution {
public static int smallestSubWithSum(int x, int[] arr) {
int n = arr.length;
int minLen = Integer.MAX_VALUE;
int currSum = 0;
int start = 0;
for (int end = 0; end < n; end++) {
currSum += arr[end];
while (currSum > x) {
minLen = Math.min(minLen, end - start + 1);
currSum -= arr[start];
start++;
}
}
return (minLen == Integer.MAX_VALUE) ? 0 : minLen;
}
}
Custom Input
Compile & Run
Submit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Problem
Editorial
Submissions
Comments
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Compilation Results
Custom Input
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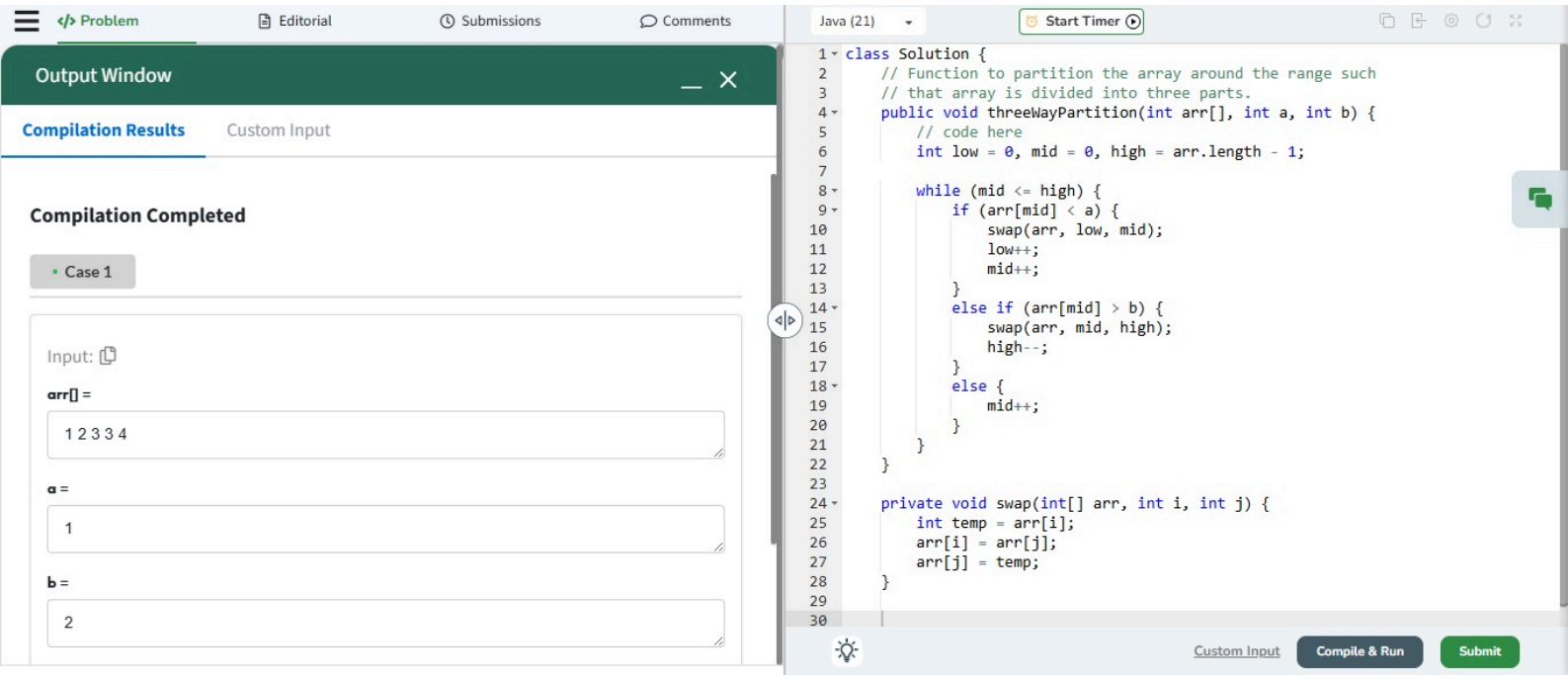
Problem Solved Successfully
Suggest Feedback
Test Cases Passed
1117 / 1117
Attempts : Correct / Total
1 / 1
Accuracy : 100%
Points Scored
4 / 4
Your Total Score: 21
Time Taken
0.95
Solve Next
Reverse Spiral Form of Matrix
Binary Matrix with at most K 1s
int mid = low + (high - low) / 2;
int count = 0;
for (int i = 0; i < n; i++) {
count += upperBound(mat[i], m, mid);
}
if (count <= required) {
low = mid + 1;
} else {
high = mid - 1;
}
}
return low;
}
int upperBound(int[] row, int m, int x) {
int l = 0, r = m;
while (l < r) {
int mid = l + (r - l) / 2;
if (row[mid] <= x) {
l = mid + 1;
} else {
r = mid;
}
}
return l;
}
Custom Input
Compile & Run
Submit


Problem
Editorial
Submissions
Comments
Output Window
Compilation Results
Custom Input
Compilation Completed
Case 1
Input:
arr[] =
1 2 3 3 4
a =
1
b =
2
Java (21)
Start Timer
class Solution {
// Function to partition the array around the range such
// that array is divided into three parts.
public void threeWayPartition(int arr[], int a, int b) {
// code here
int low = 0, mid = 0, high = arr.length - 1;
while (mid <= high) {
if (arr[mid] < a) {
swap(arr, low, mid);
low++;
mid++;
}
else if (arr[mid] > b) {
swap(arr, mid, high);
high--;
}
else {
mid++;
}
}
}
private void swap(int[] arr, int i, int j) {
int temp = arr[i];
arr[i] = arr[j];
arr[j] = temp;
}
Custom Input
Compile & Run
Submit