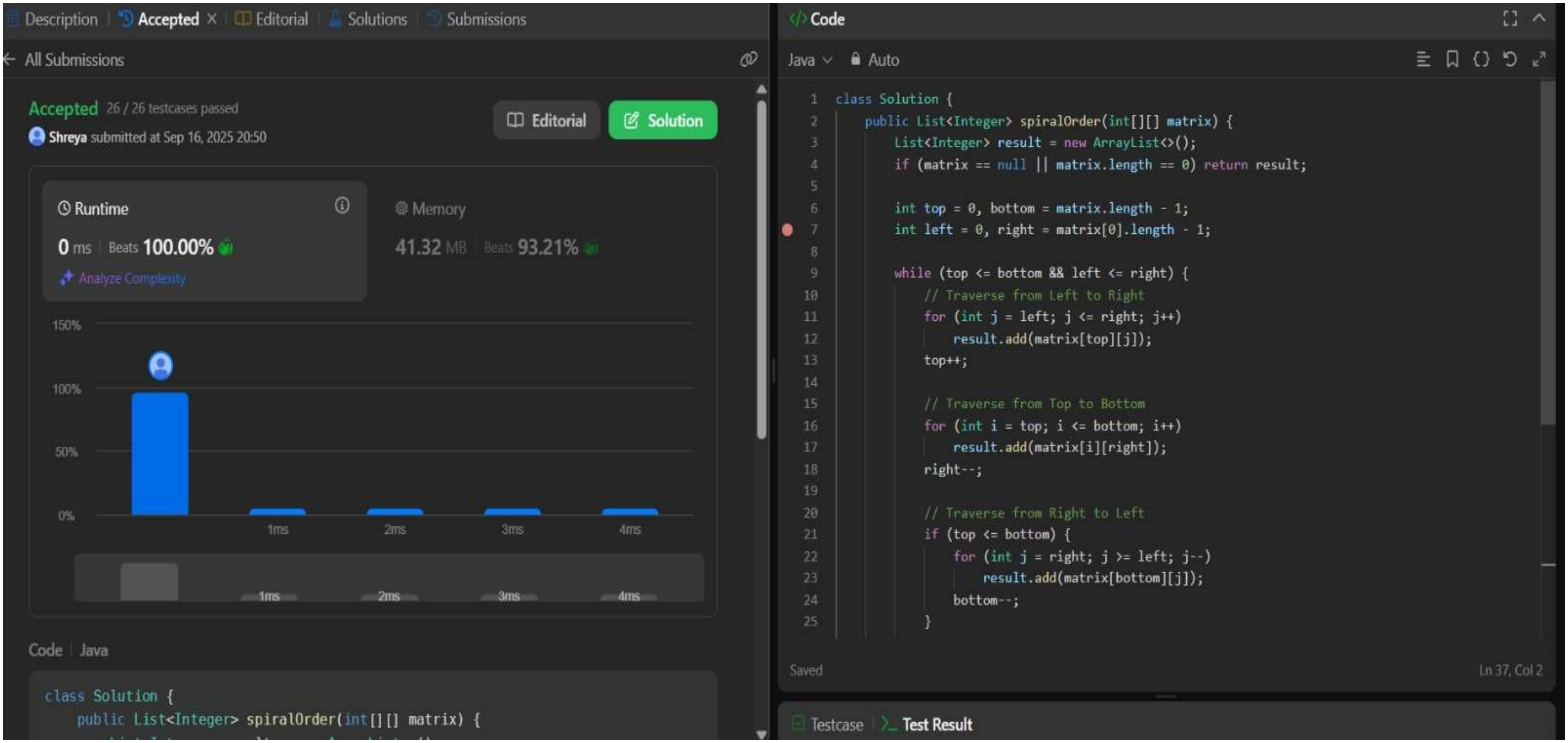
Leetcode :-
Problem :- spiral matrix



Accepted 26 / 26 testcases passed

Shreya submitted at Sep 16, 2025 20:50

Runtime: 0 ms | Beats 100.00%

Memory: 41.32 MB | Beats 93.21%

Code | Java

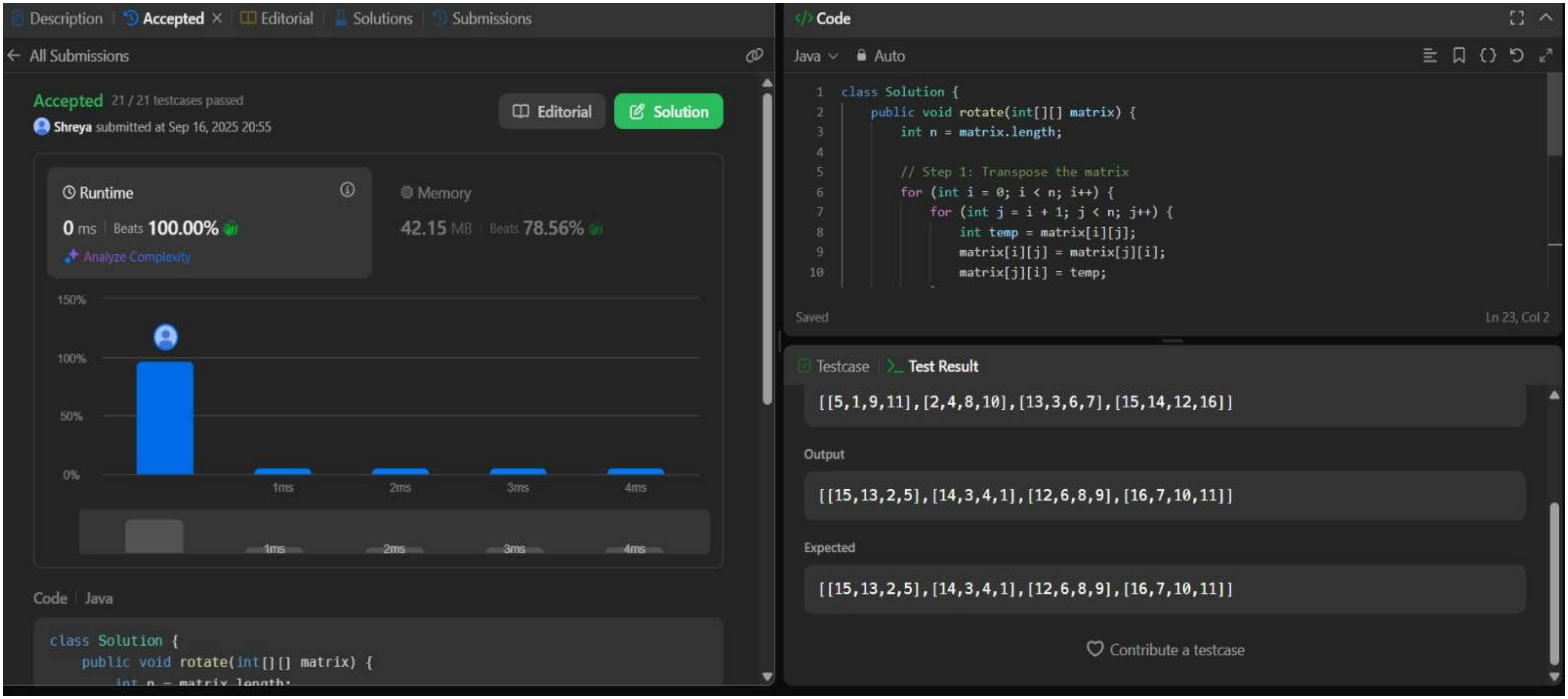
```
class Solution {
    public List<Integer> spiralOrder(int[][] matrix) {
```

```
class Solution {
    public List<Integer> spiralOrder(int[][] matrix) {
        List<Integer> result = new ArrayList<>();
        if (matrix == null || matrix.length == 0) return result;

        int top = 0, bottom = matrix.length - 1;
        int left = 0, right = matrix[0].length - 1;

        while (top <= bottom && left <= right) {
            // Traverse from Left to Right
            for (int j = left; j <= right; j++)
                result.add(matrix[top][j]);
            top++;

            // Traverse from Top to Bottom
            for (int i = top; i <= bottom; i++)
                result.add(matrix[i][right]);
            right--;

            // Traverse from Right to Left
            if (top <= bottom) {
                for (int j = right; j >= left; j--)
                    result.add(matrix[bottom][j]);
                bottom--;
            }
```

Saved

Ln 37, Col 2

Leetcode :-
Problem :- rotate a matrix by 90°



Accepted 21 / 21 testcases passed

Shreya submitted at Sep 16, 2025 20:55

Runtime

0 ms | Beats 100.00%

Memory

42.15 MB | Beats 78.56%

Code | Java

```
class Solution {
    public void rotate(int[][] matrix) {
        int n = matrix.length;
```

```
class Solution {
    public void rotate(int[][] matrix) {
        int n = matrix.length;

        // Step 1: Transpose the matrix
        for (int i = 0; i < n; i++) {
            for (int j = i + 1; j < n; j++) {
                int temp = matrix[i][j];
                matrix[i][j] = matrix[j][i];
                matrix[j][i] = temp;
```

Saved

Ln 23, Col 2

```
[[5,1,9,11],[2,4,8,10],[13,3,6,7],[15,14,12,16]]
```

Output

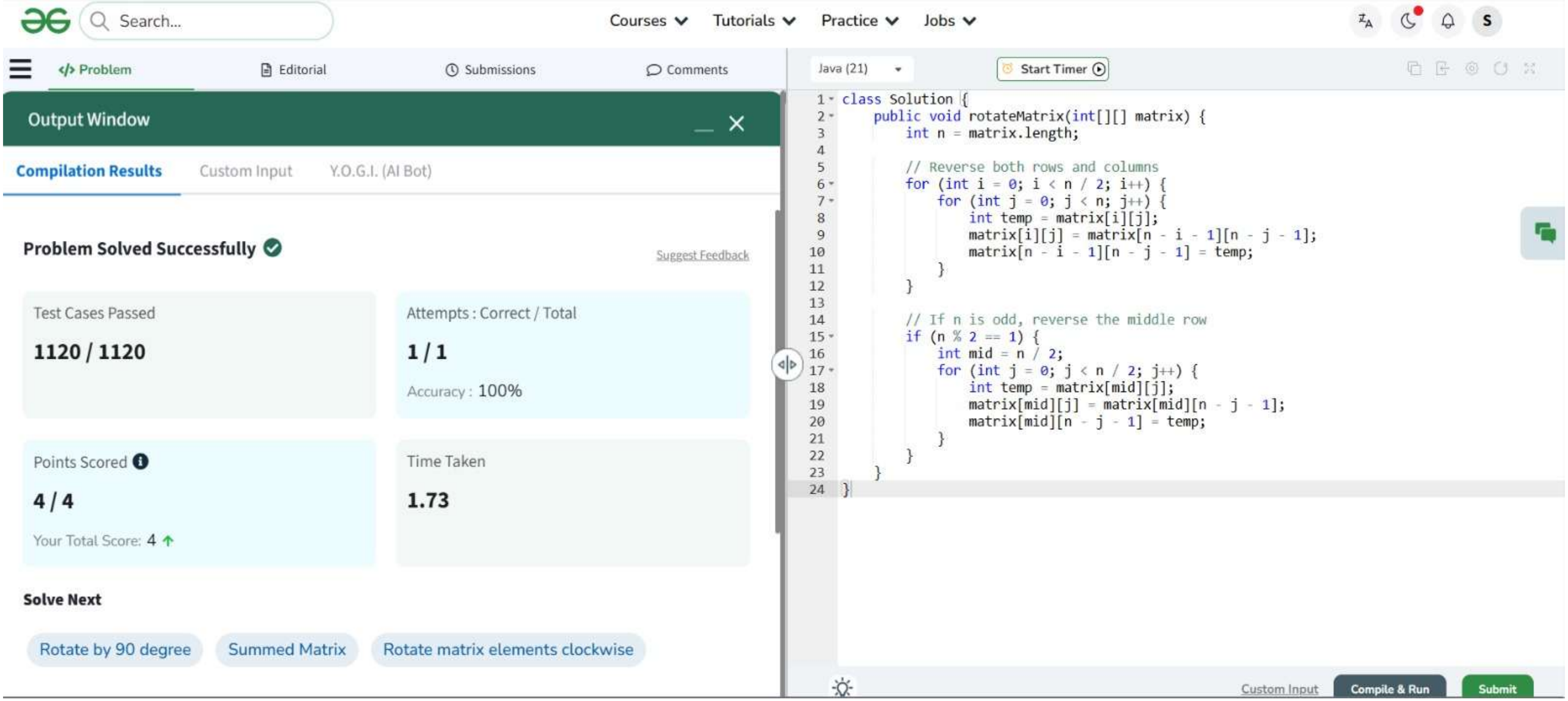
```
[[15,13,2,5],[14,3,4,1],[12,6,8,9],[16,7,10,11]]
```

Expected

```
[[15,13,2,5],[14,3,4,1],[12,6,8,9],[16,7,10,11]]
```

Leetcode :-

Problem :- rotate a matrix by 180°



Output Window

Compilation Results | Custom Input | Y.O.G.I. (AI Bot)

Problem Solved Successfully ✓

Suggest Feedback

Test Cases Passed

1120 / 1120

Attempts : Correct / Total

1 / 1

Accuracy : 100%

Points Scored

4 / 4

Your Total Score: 4 ↑

Time Taken

1.73

Solve Next

Rotate by 90 degree | Summed Matrix | Rotate matrix elements clockwise

```java
class Solution {
    public void rotateMatrix(int[][] matrix) {
        int n = matrix.length;

        // Reverse both rows and columns
        for (int i = 0; i < n / 2; i++) {
            for (int j = 0; j < n; j++) {
                int temp = matrix[i][j];
                matrix[i][j] = matrix[n - i - 1][n - j - 1];
                matrix[n - i - 1][n - j - 1] = temp;
            }
        }

        // If n is odd, reverse the middle row
        if (n % 2 == 1) {
            int mid = n / 2;
            for (int j = 0; j < n / 2; j++) {
                int temp = matrix[mid][j];
                matrix[mid][j] = matrix[mid][n - j - 1];
                matrix[mid][n - j - 1] = temp;
            }
        }
    }
}
```