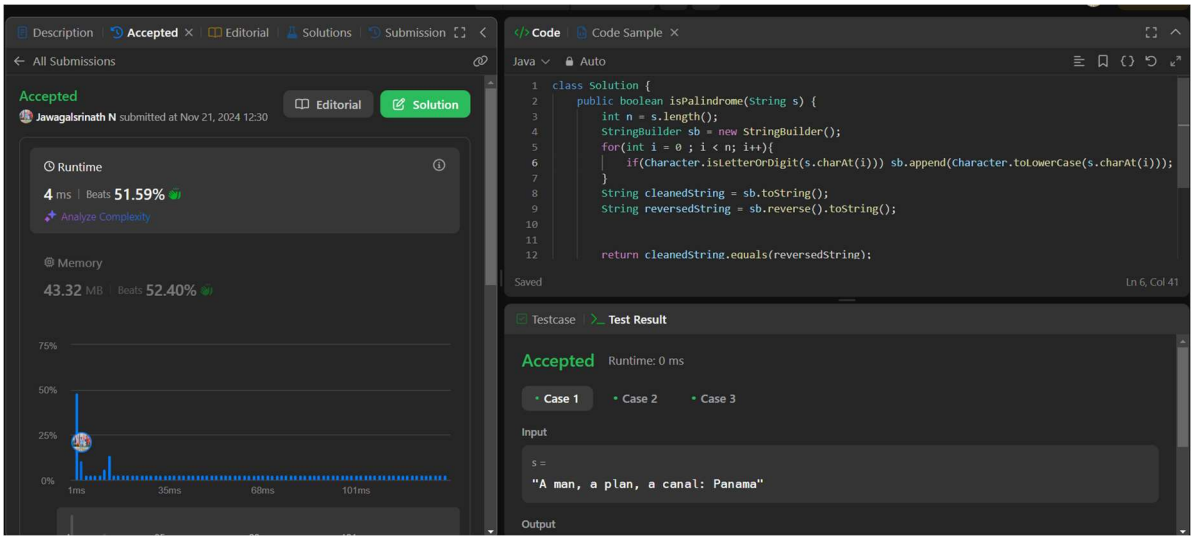
DSA PRACTICE

November 21 , 2024

1. Valid Palindrome:



Time Complexity : O(N)

Space Complexity : O(1)

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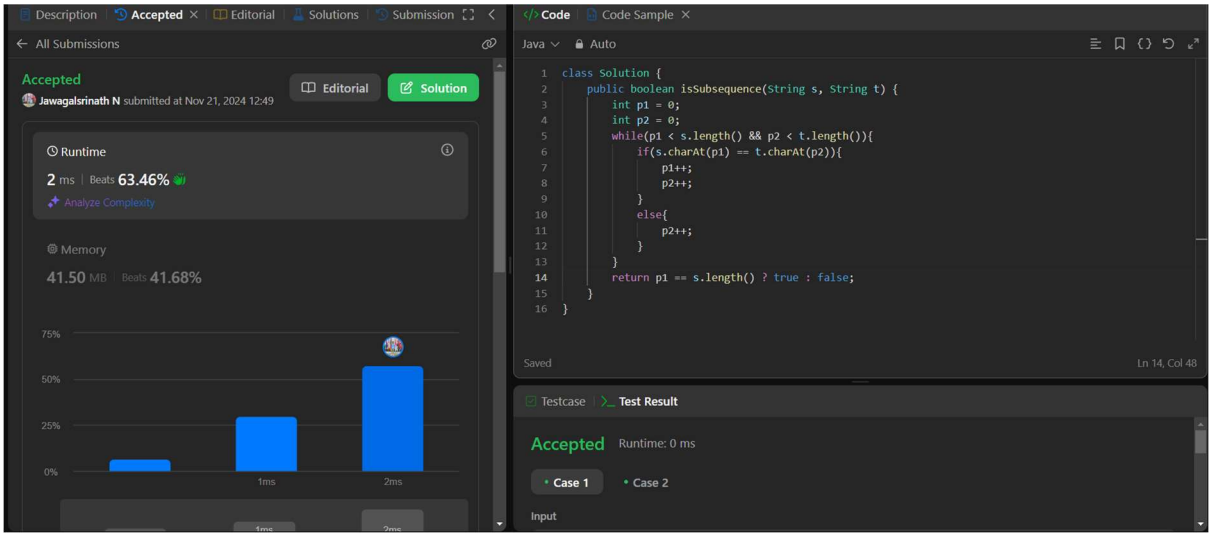
2. In Subsequence :



Time Complexity : O(N)

Space Complexity : O(1)

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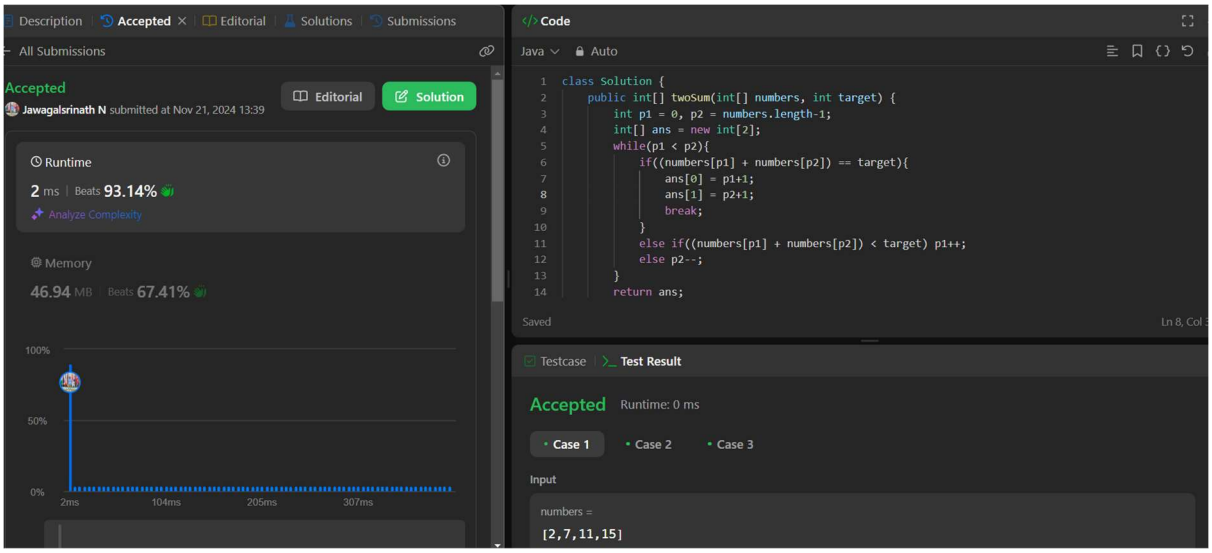
3. Two Sum II



Time complexity : O(N)

Space Complexity : O(1)

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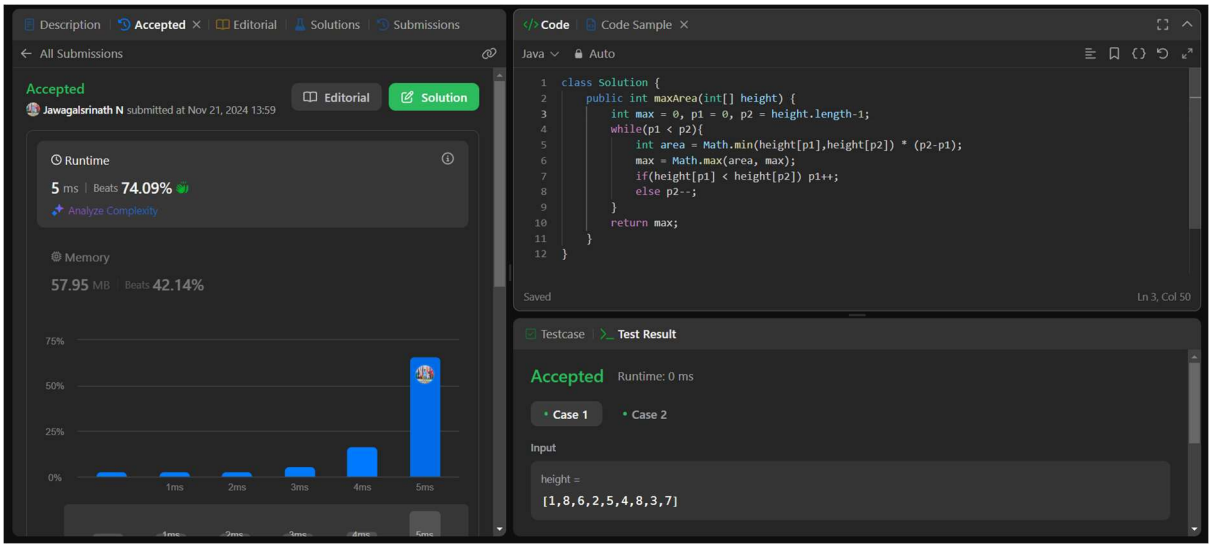
4. Maximum Water Container:



Time Complexity : O(N)

Space Complexity : O(1)

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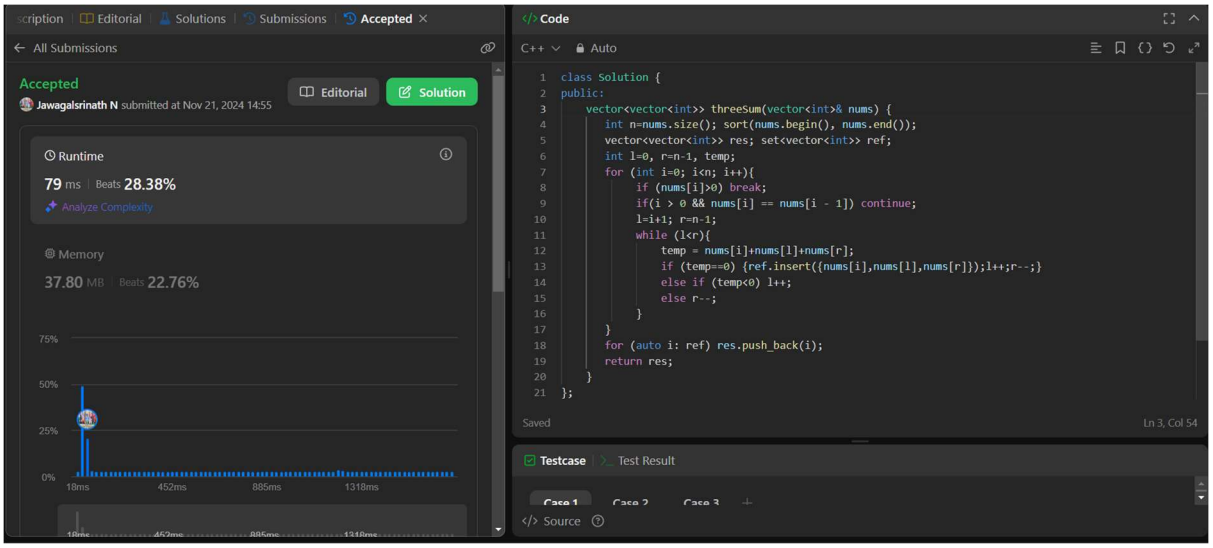
5. 3 Sum:



Time Complexity : O(N^2)

Space Complexity : O(N)

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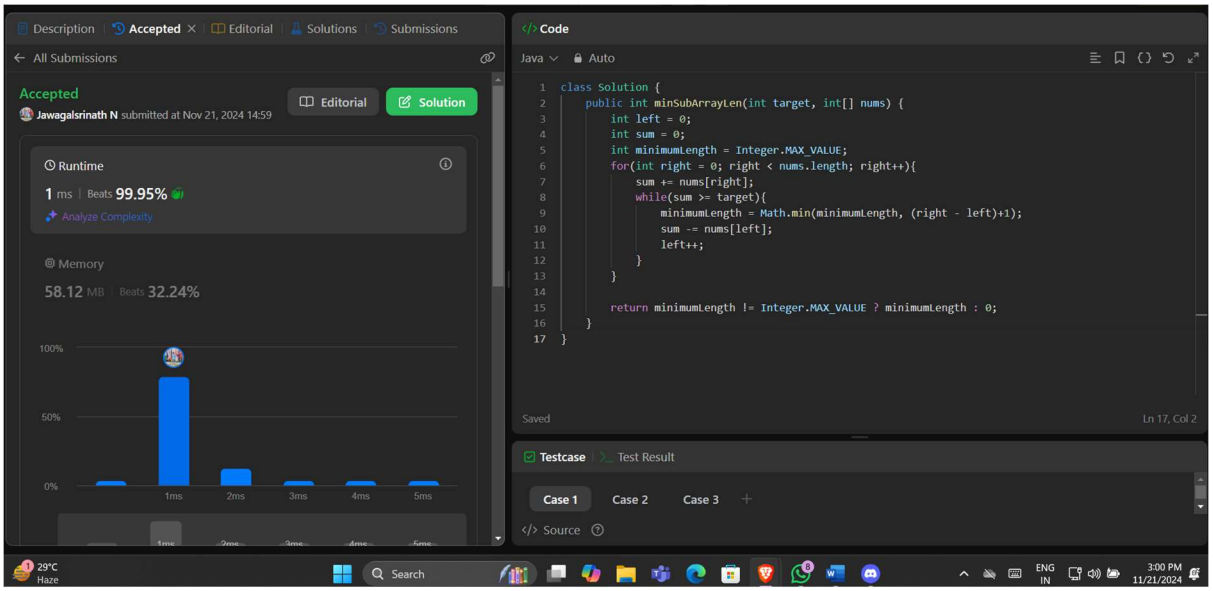
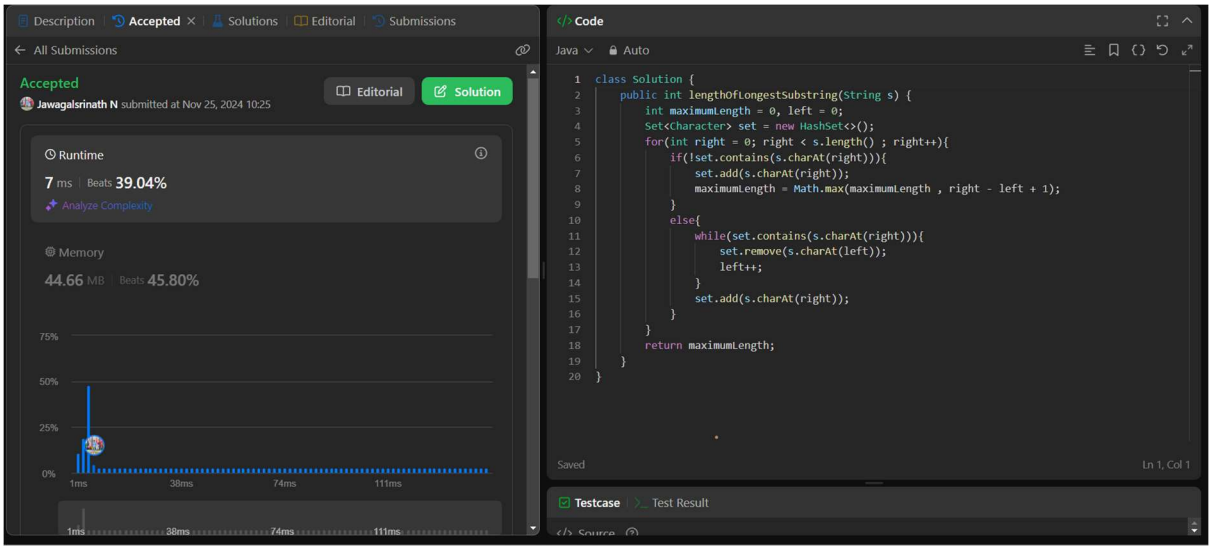
6. Minimum Size Subarray Sum :



Time Complexity : O(N)

Space Complexity : O(1)

7. Longest Subarray , without repeating characters



Time Complexity : O(N)

Space Complexity : O(1)

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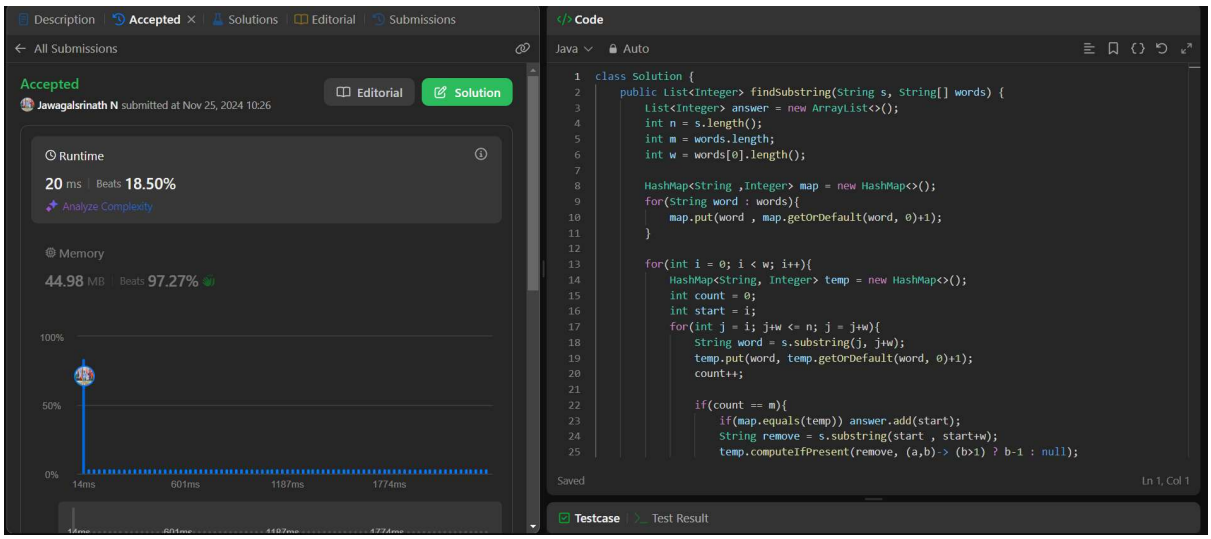
8. Substring with Concatenation of All Words



Time Complexity : O(N+M)

Space Complexity : O(N)

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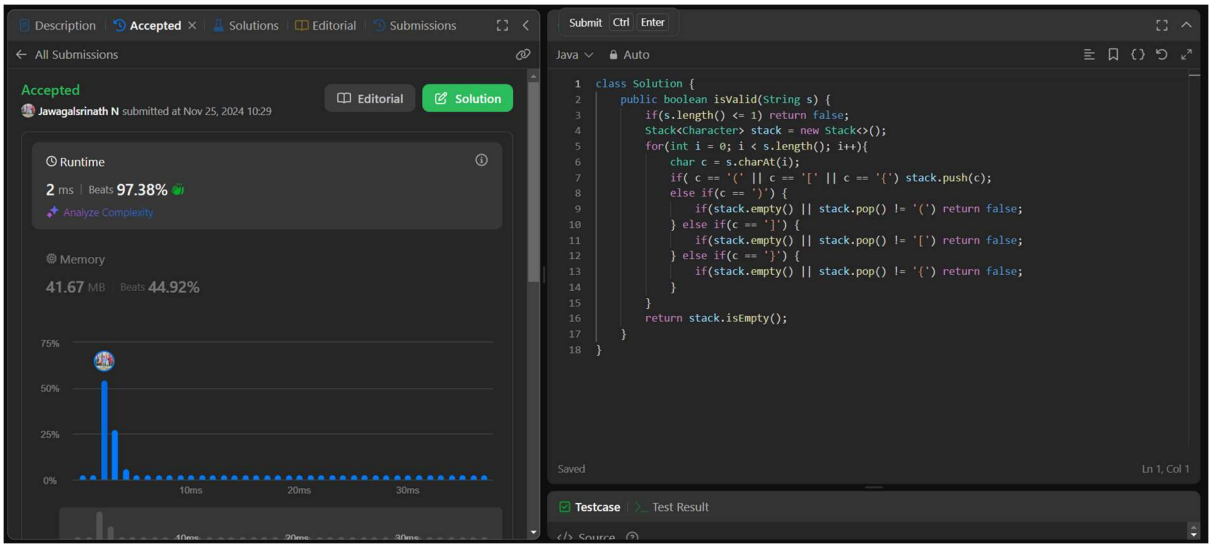
9. Valid Parenthesis



Time Complexity : O(N)

Space Complexity : O(1)

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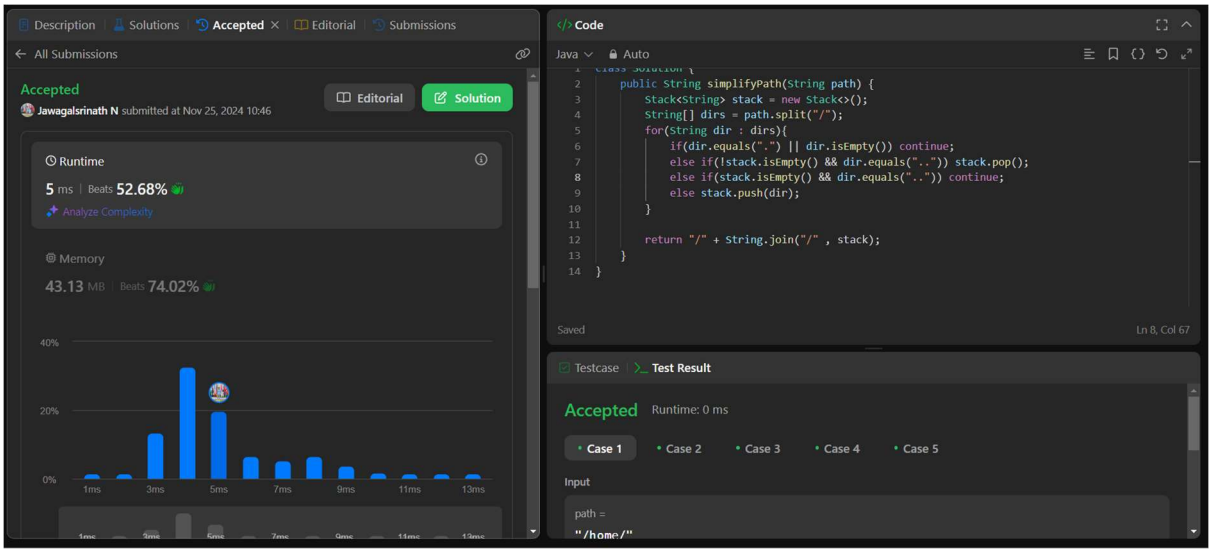
10. Simplify Path



Time Complexity : O(N)

Space Complexity : O(N)

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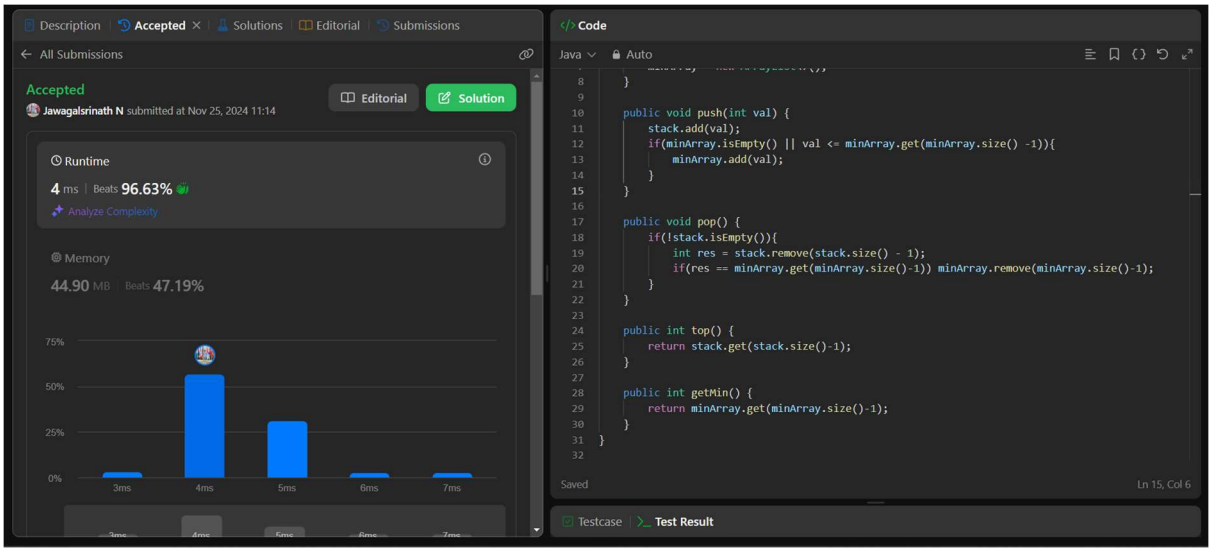
11. Min Stack



Time Complexity : O(1)

Space Complexity : O(N)

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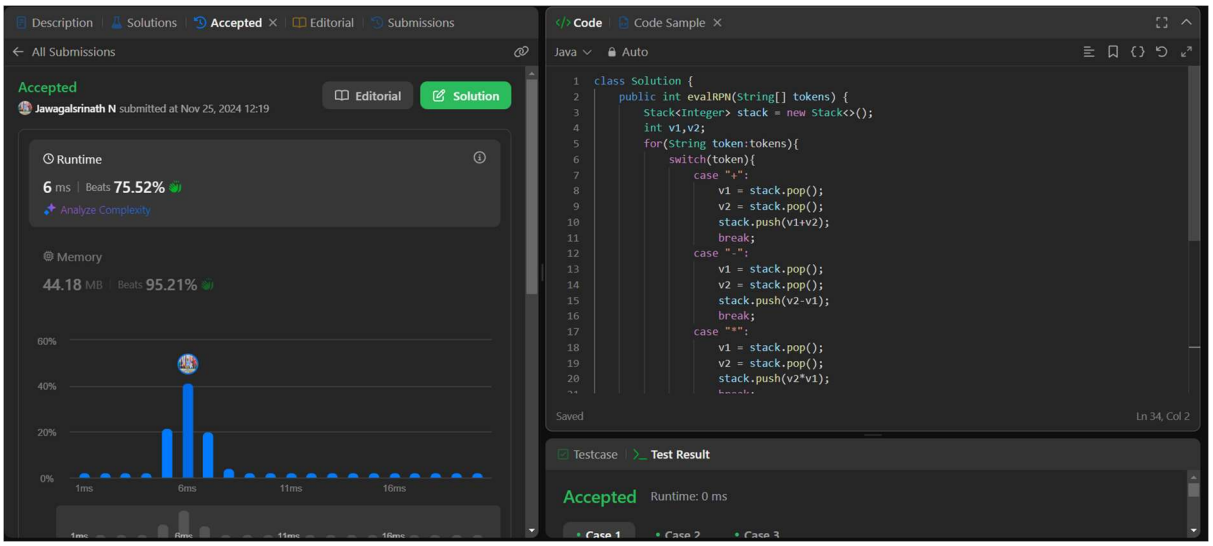
12. Evaluate reverse polish notation



Time Complexity : O(N)

Space Complexity : O(N)

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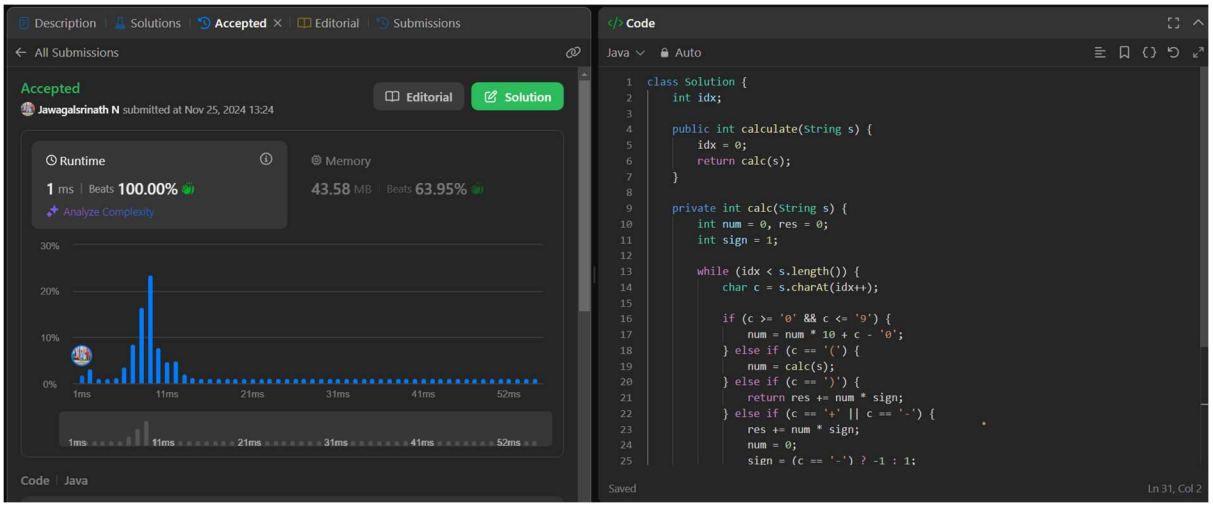
13. Basic Calculator



Time Complexity : O(N)

Space Complexity : O(1)

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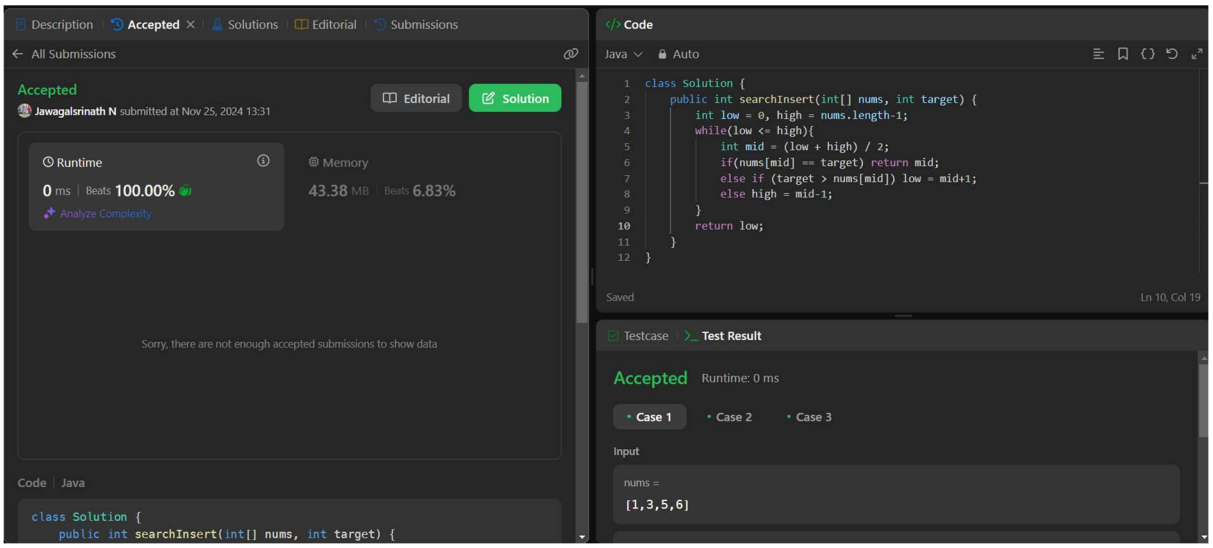
14. Search insert position



Time Complexity : O(log n)

Space Complexity : O(1)

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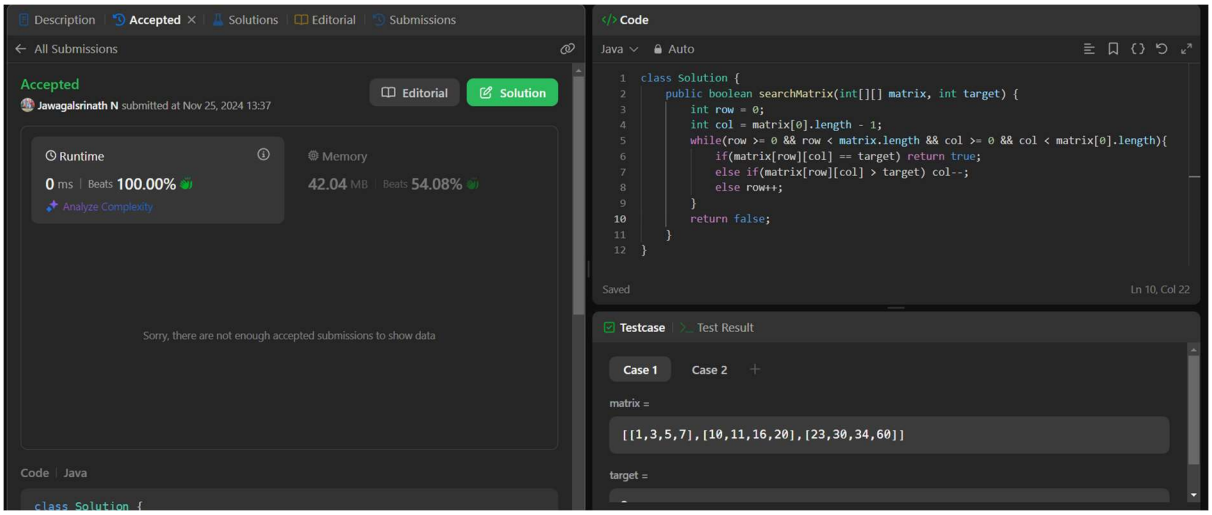
15. Search in 2D matrix



Time Complexity : O(log(N+M))

Space Complexity : O(1)

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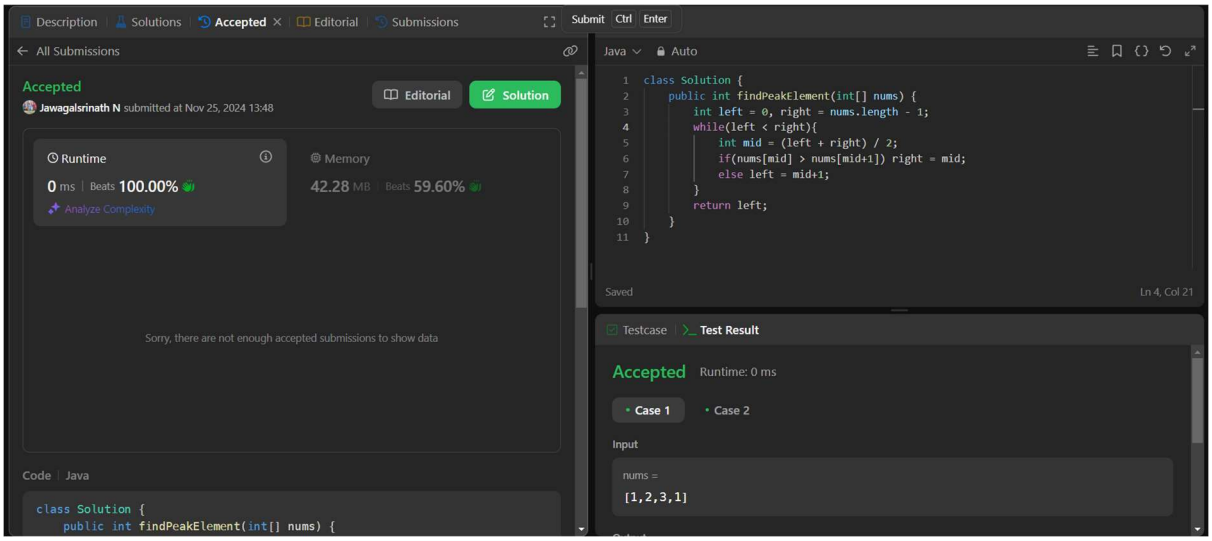
16. Find the peak element



Time Complexity : O(log N)

Space Complexity : O(1)

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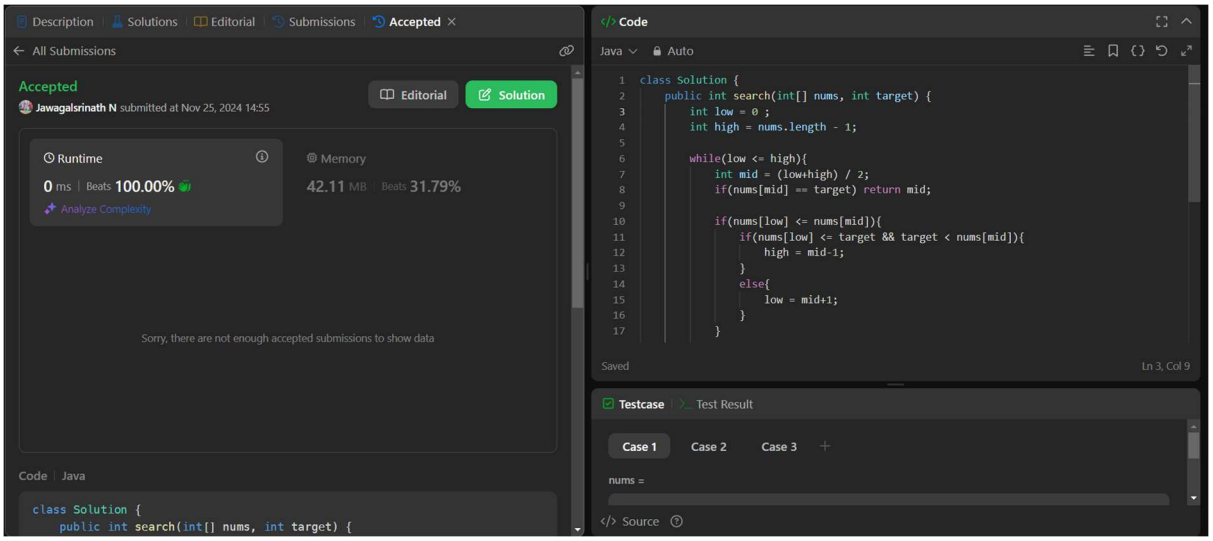
17. Search in rotated sorted array



Time Complexity : O(log N)

Space Complexity : O(1)

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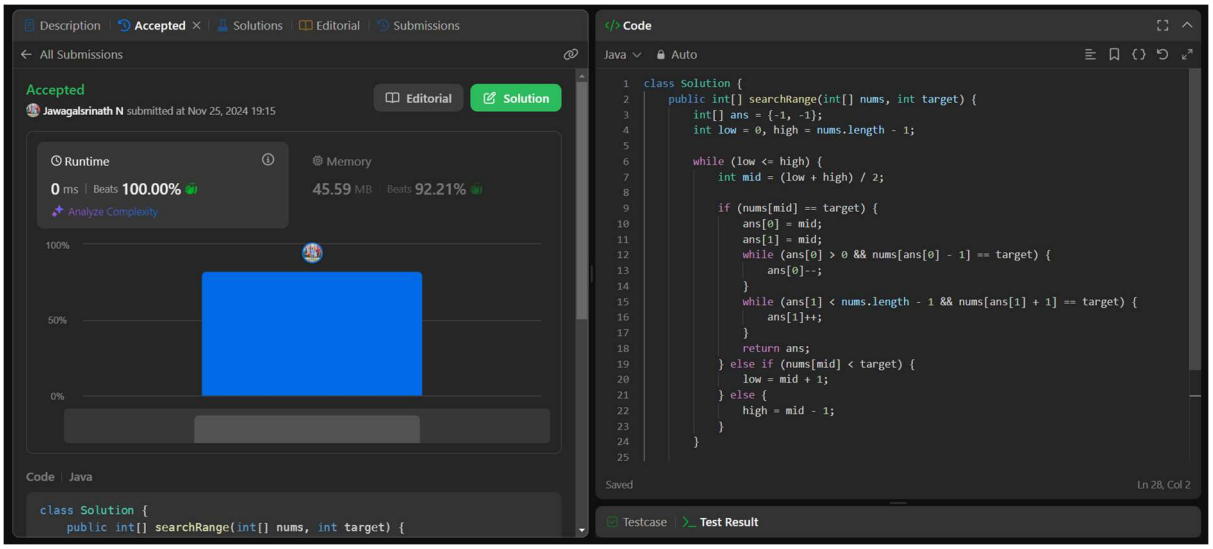
18. Find the first and last index of target



Time complexity : O(log n)

Space complexity : O(1)

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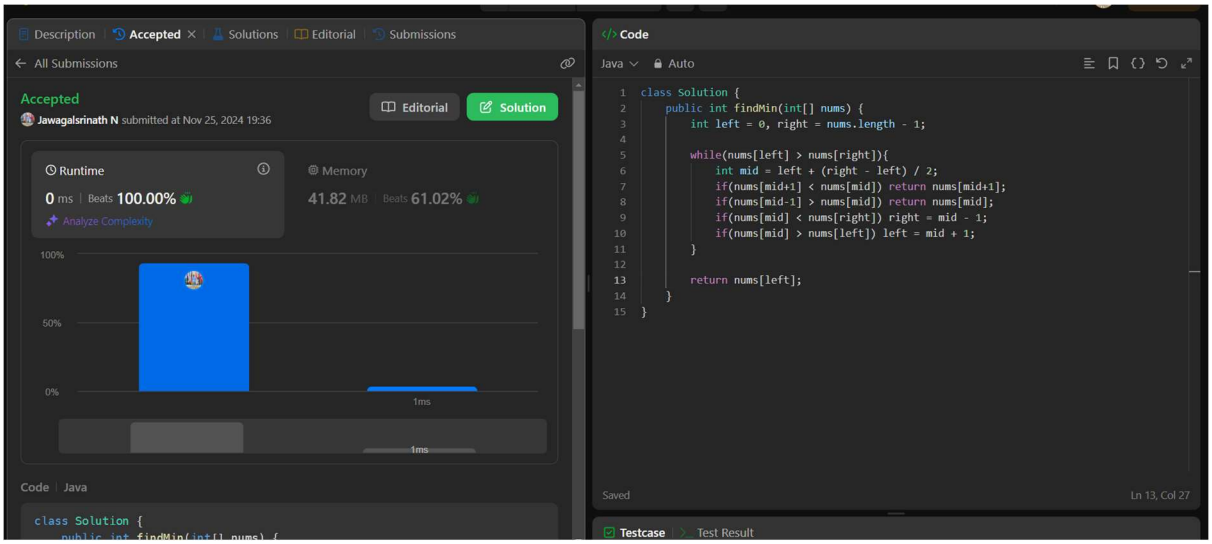
19. Minimum in sorted rotated array



Time Complexity : O(log N)

Space Complexity : O(1)