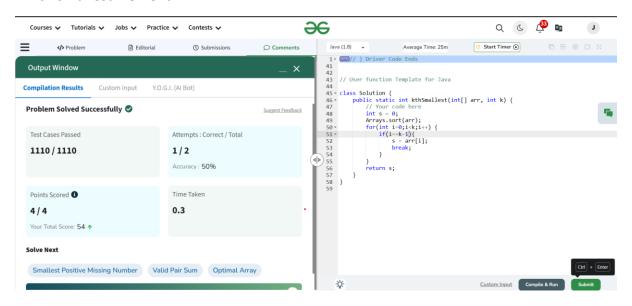
# **DSA CODING PRACTICE - 5**

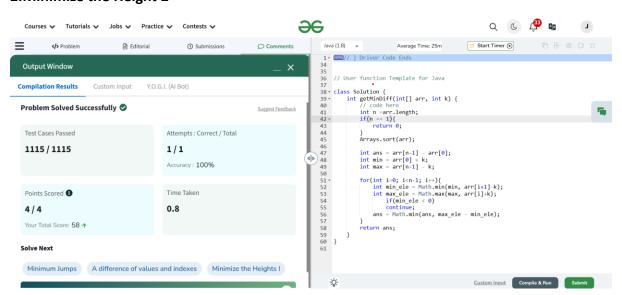
#### 1. kth Smallest Element



Time Complexity: O(nlogn)

Space Complexity: O(1)

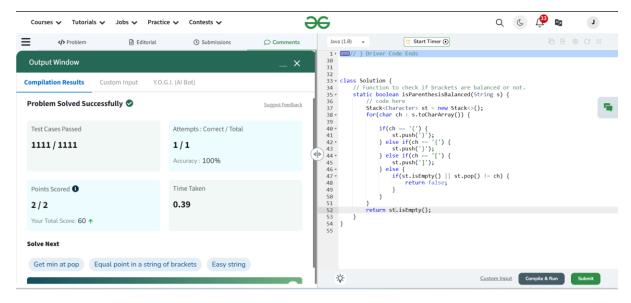
## 2. Minimize the Height 2



Time Complexity: O(nlogn)

**Space Complexity: O(1)** 

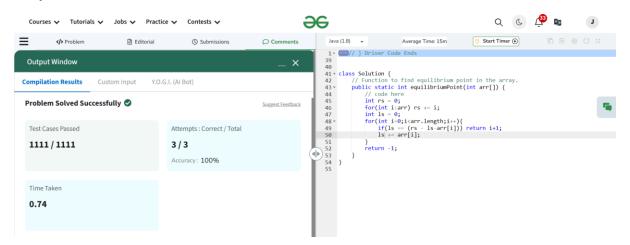
## 3.Parentheses Checker



Time Complexity: O(n)

**Space Complexity: O(n)** 

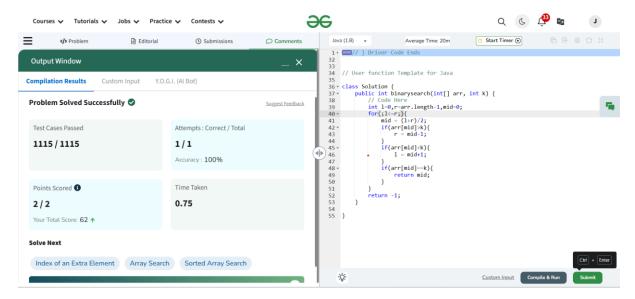
## 4. Equilibrium Point



Time Complexity: O(n)

Space Complexity: O(1)

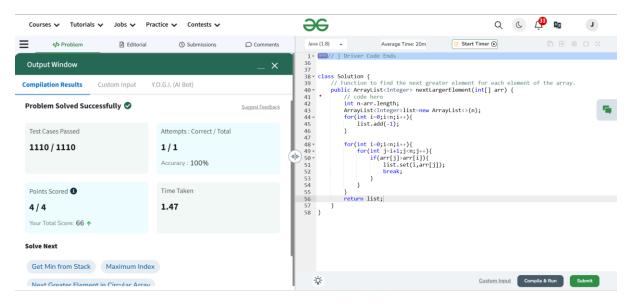
## 5.Binary Search



Time Complexity: O(logn)

Space Complexity: O(1)

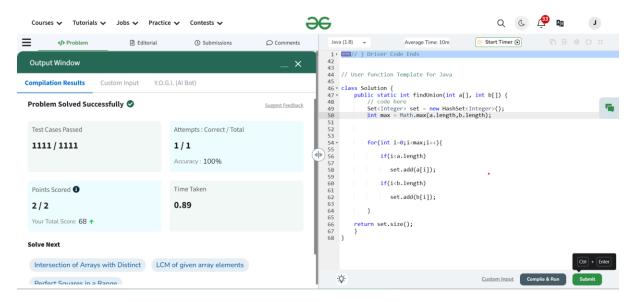
#### **6.Next Greater Element**



Time Complexity: O(n)

Space Complexity: O(n)

# 7. Union of 2 arrays with Duplicates



Time Complexity: O((n+m)log(n+m))

Space Complexity: O(n+m)