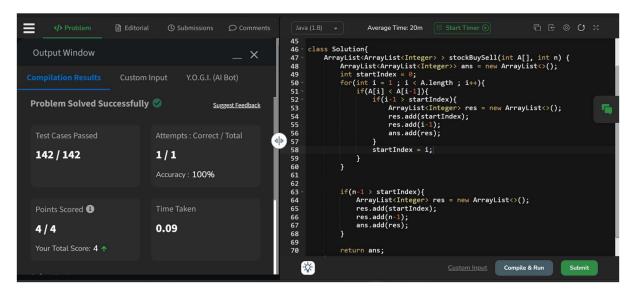
# **DSA PRACTICE**

# (NOVEMBER 14, 2024)

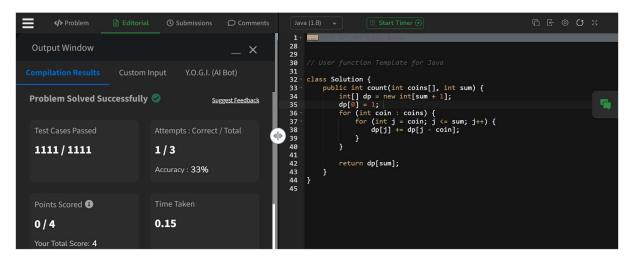
# 1.Stock buy and sell:



Time Complexity: O(N)

Space Complexity: O(N)

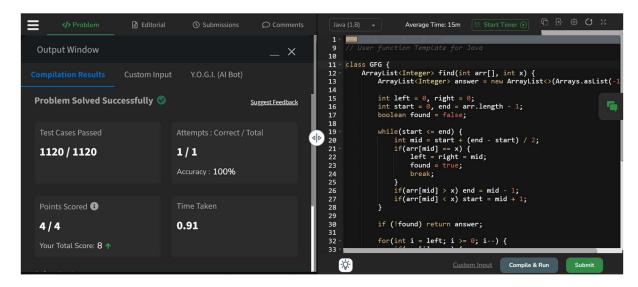
# 2. Coin exchange



Time Complexity: O(N\*M)

Space Complexity: O(M)

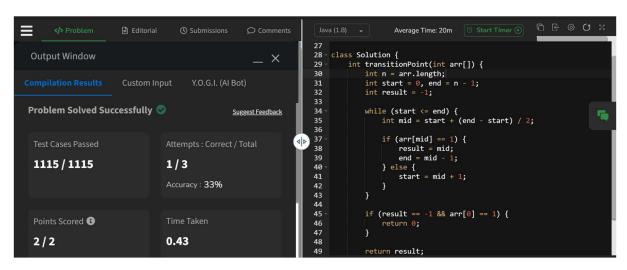
#### 3. First and last occurrence



Time Complexity: O(N)

Space Complexity: O(1)

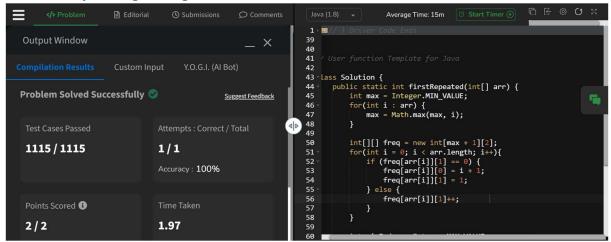
#### 4. First Index Transition



Time Complexity: O(log n)

Space Complexity: O(1)

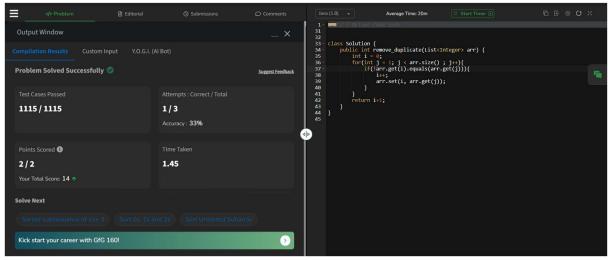
### 5. First Repeating String



Time complexity: O(N)

Space Complexity: O(M)

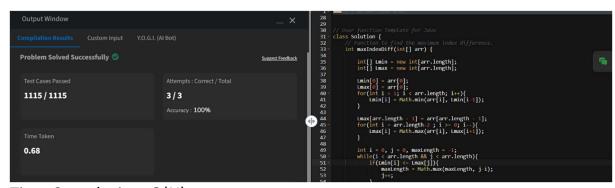
# 6. Remove Duplicates from the List



Time Complexity: O(N)

Space Complexity: O(1)

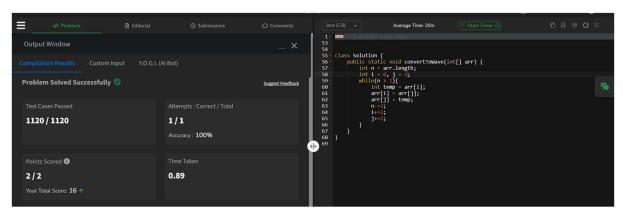
# 7. Maximum Index



Time Complexity: O(N)

Space Complexity: O(N)

# 8. Wave Array



Time Complexity: O(N)

Space Complexity: O(1)