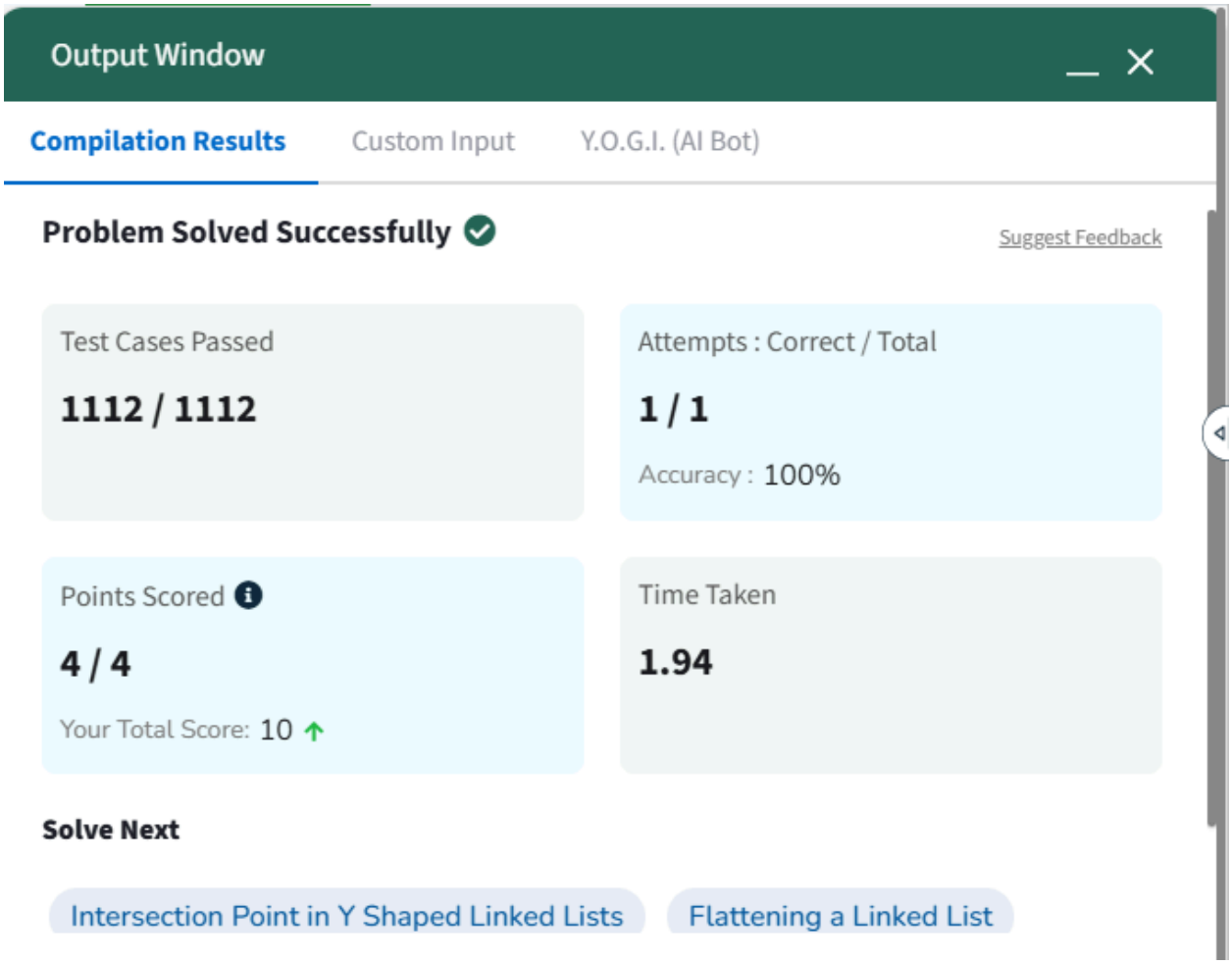
Daily Coding Practice-2

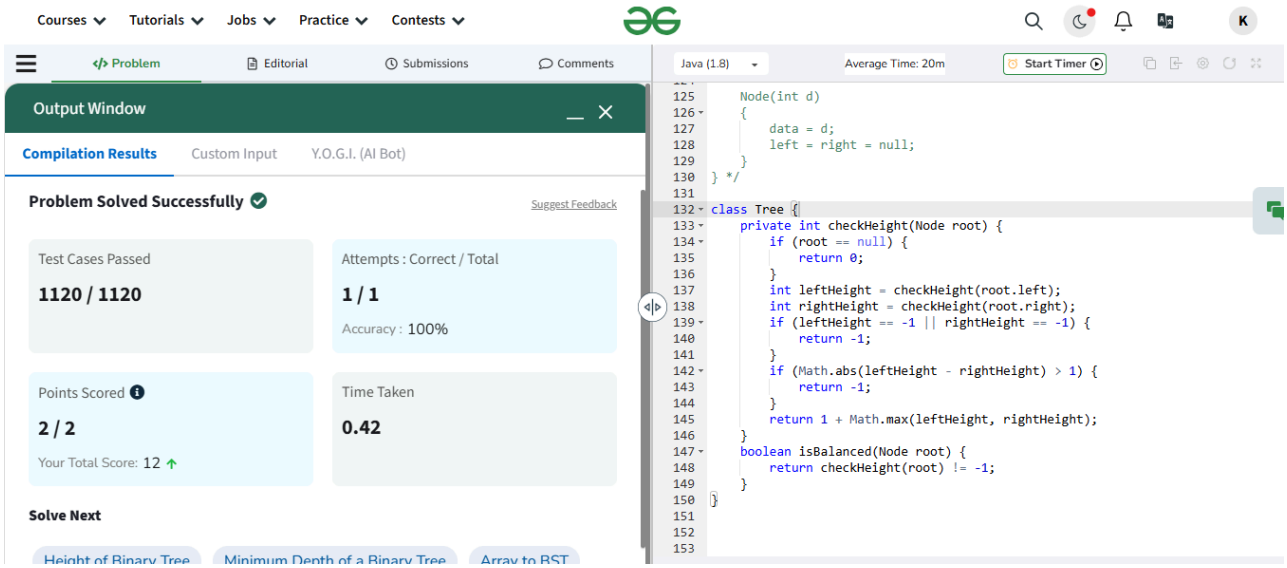
1.Palindrome Linked List:

```
class Solution {
    boolean isPalindrome(Node head) {
        if (head == null || head.next == null) return true;
        Node slow = head;
        Node fast = head;

        while (fast != null && fast.next != null) {
            slow = slow.next;
            fast = fast.next.next;
        }
        Node secondHalf = reverseList(slow);
        Node firstHalf = head;
        while (secondHalf != null) {
            if (firstHalf.data != secondHalf.data) {
                return false;
            }
            firstHalf = firstHalf.next;
            secondHalf = secondHalf.next;
        }

        return true;
    }
    private Node reverseList(Node head) {
        Node prev = null;
        while (head != null) {
            Node nextNode = head.next;
            head.next = prev;
            prev = head;
            head = nextNode;
        }
        return prev;
    }
}
```

Output:



2.Balanced Tree Check:



3.Triplet Sum In Array: