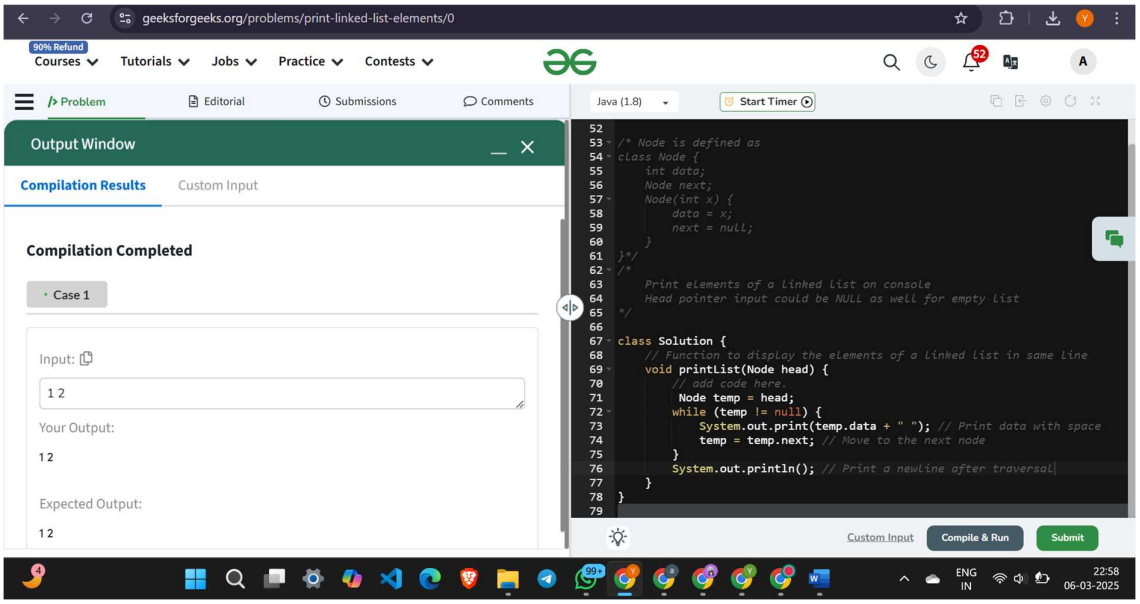
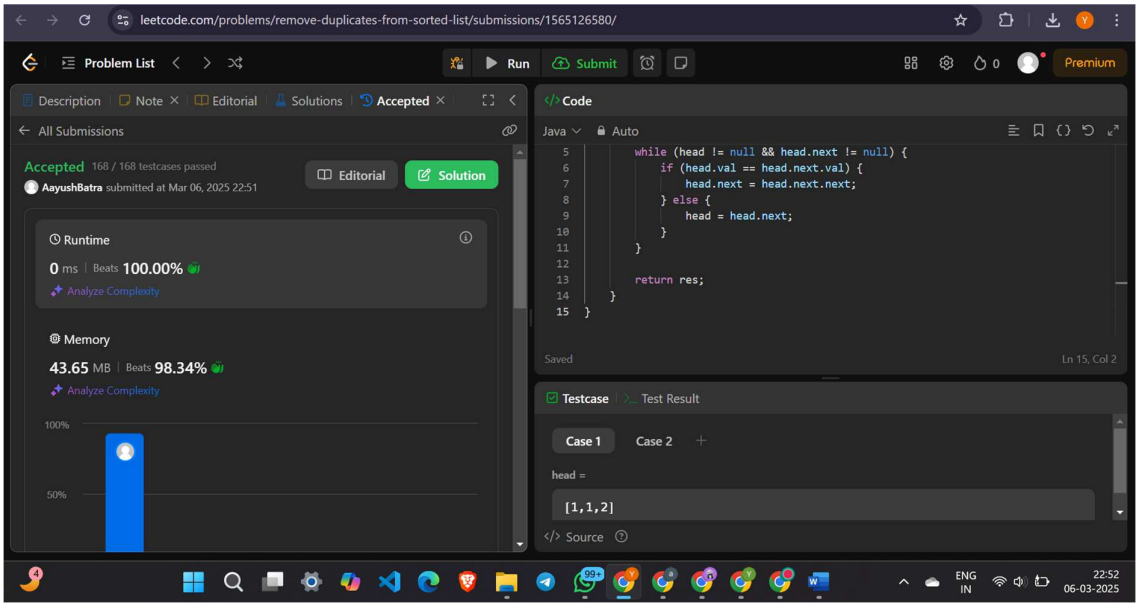
AP Assignment 3

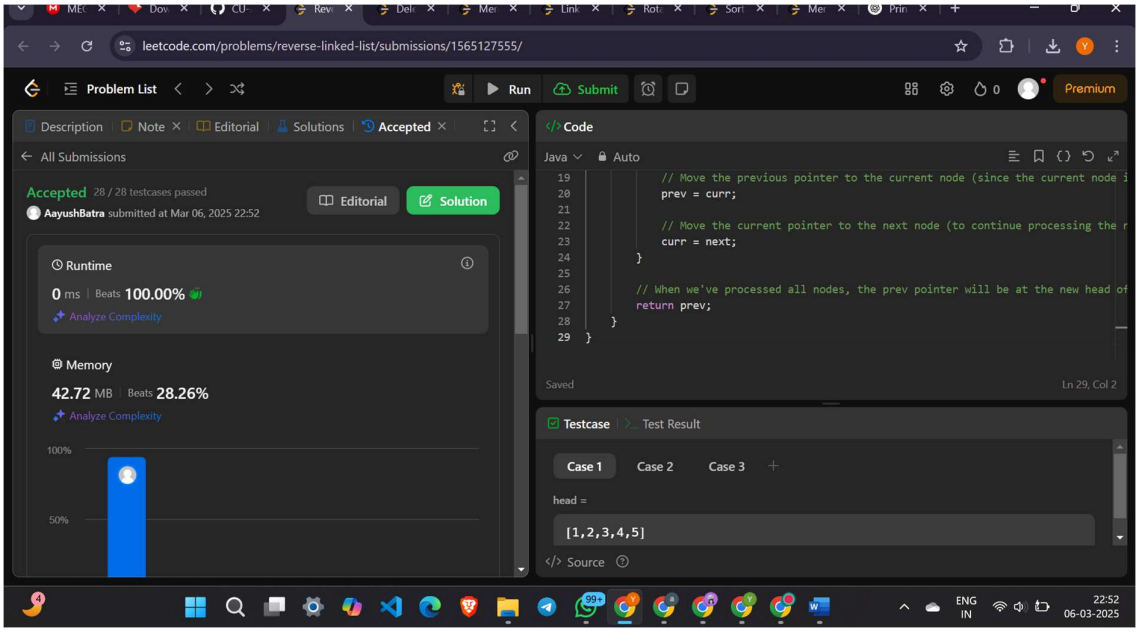
1. **Print Linked List: https://www.geeksforgeeks.org/problems/print-linked-list-elements/0**



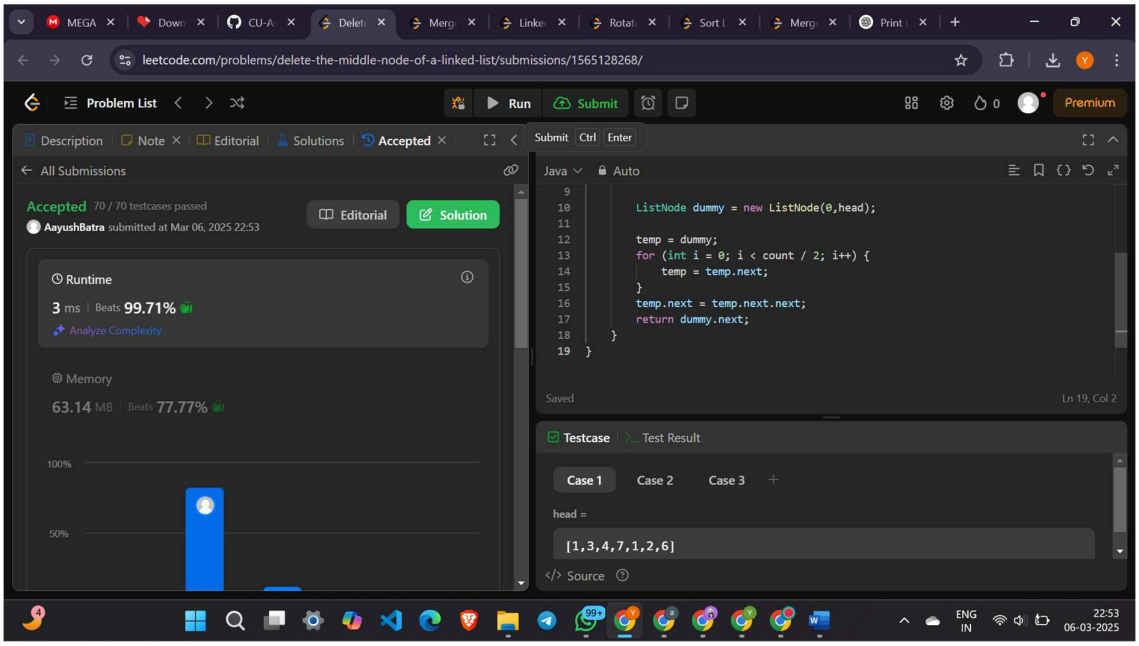
2. **Remove duplicates from a sorted list: https://leetcode.com/problems/remove-duplicates-from-sorted-list/description/**



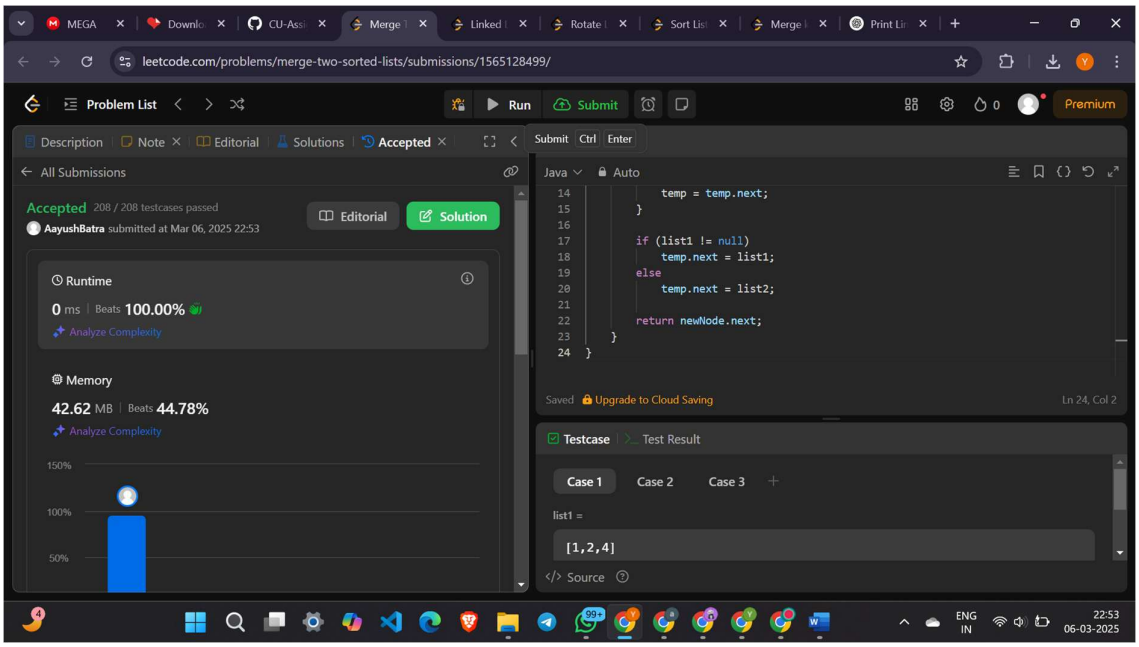
3. **Reverse a linked list: https://leetcode.com/problems/reverse-linked-list/description/**



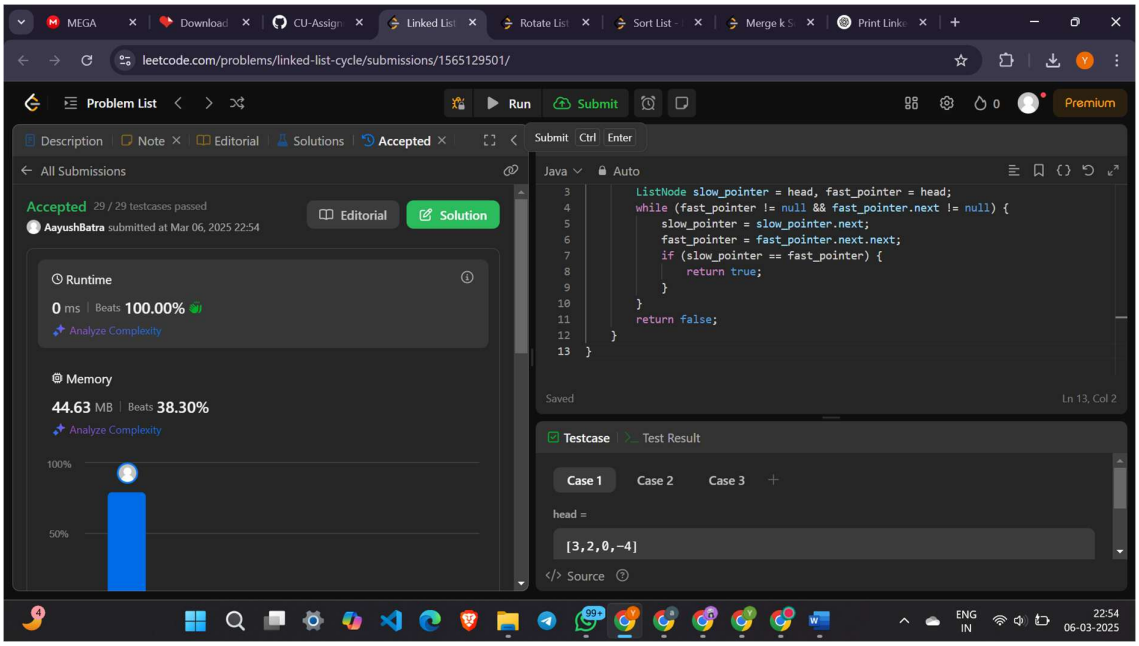
4. **Delete middle node of a list: https://leetcode.com/problems/delete-the-middle-node-of-a-linked-list/description/**



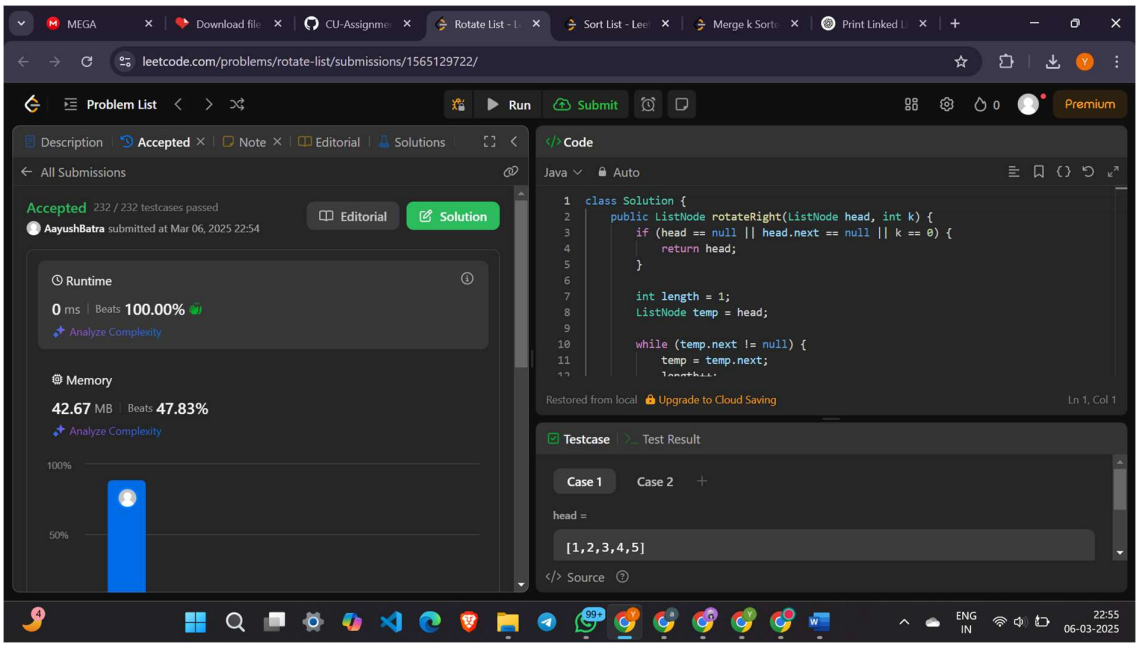
5. **Merge two sorted linked lists: https://leetcode.com/problems/merge-two-sorted-lists/description/**



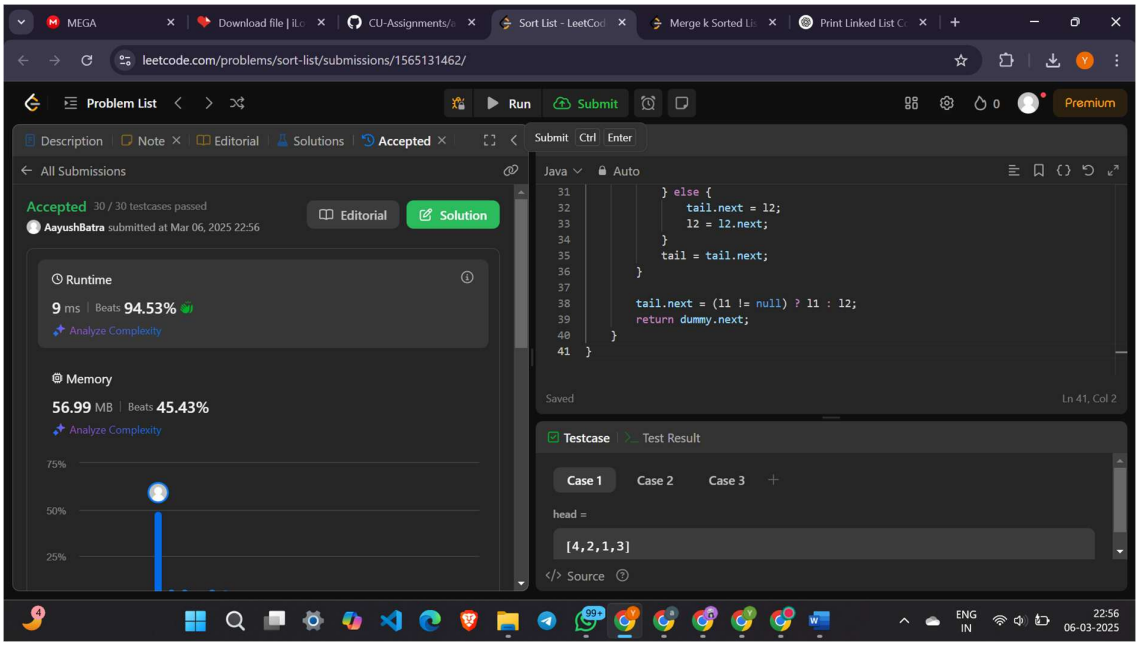
6. **Detect a cycle in a linked list:** https://leetcode.com/problems/linked-list-cycle/description/



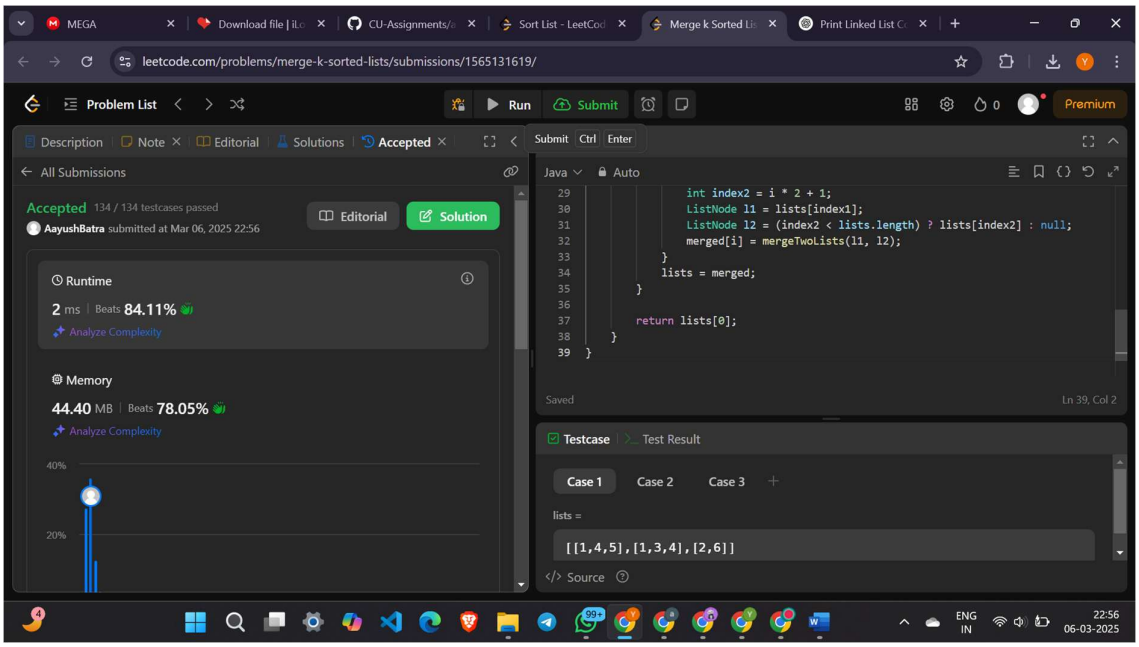
7. **Rotate a list:** https://leetcode.com/problems/rotate-list/description/



8. **Sort List:** https://leetcode.com/problems/sort-list/description/



9. **Merge k sorted lists:** https://leetcode.com/problems/merge-k-sorted-lists/description/


leetcode.com/problems/merge-k-sorted-lists/submissions/1565131619/
Problem List
Run
Submit
Premium
Description
Note
Editorial
Solutions
Accepted
All Submissions
Accepted 134 / 134 testcases passed
AayushBatra submitted at Mar 06, 2025 22:56
Editorial
Solution
Runtime
2 ms | Beats 84.11%
Analyze Complexity
Memory
44.40 MB | Beats 78.05%
Analyze Complexity
40%
20%
Submit Ctrl Enter
Java
Auto
int index2 = i * 2 + 1;
ListNode l1 = lists[index1];
ListNode l2 = (index2 < lists.length) ? lists[index2] : null;
merged[i] = mergeTwoLists(l1, l2);
lists = merged;
return lists[0];
Saved
Ln 39, Col 2
Testcase
Test Result
Case 1
Case 2
Case 3
lists =
[[1,4,5],[1,3,4],[2,6]]
Source
ENG
IN
22:56
06-03-2025