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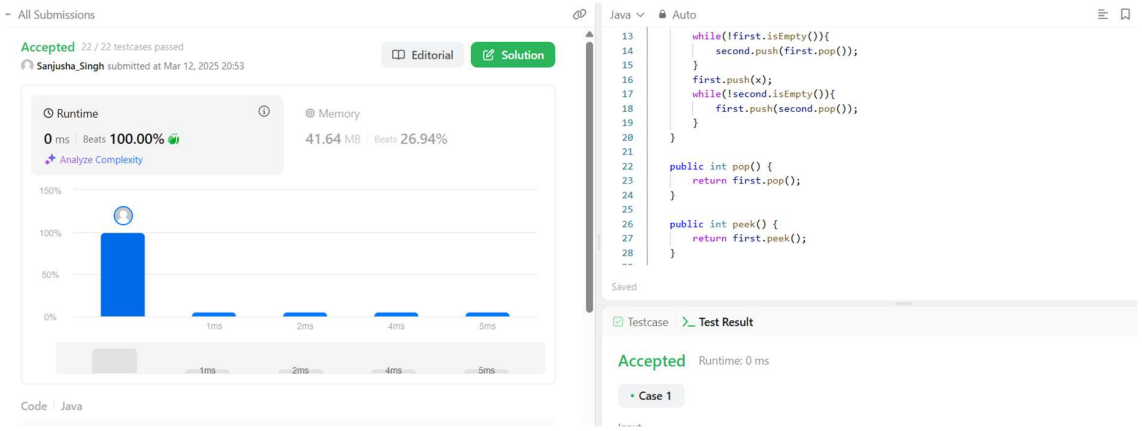
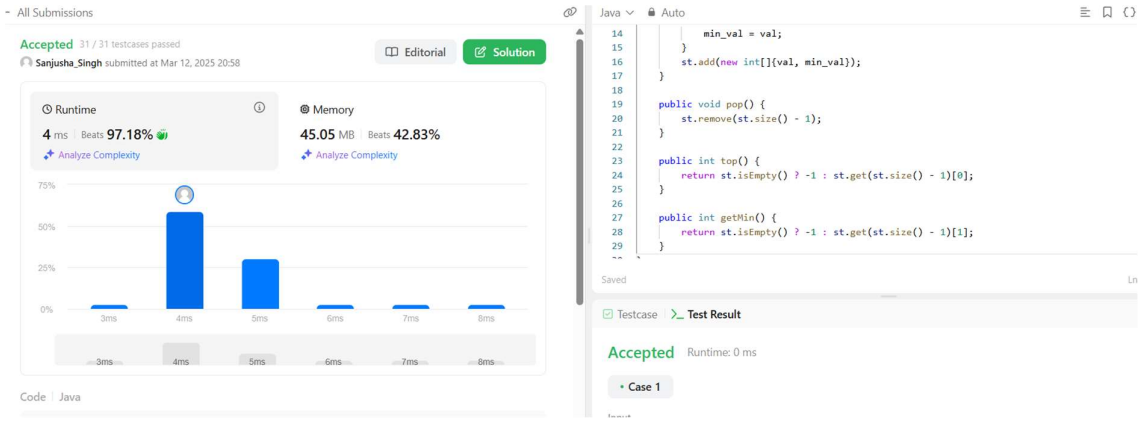
Branch:BE CSE **Section/Group:IOT_614**
Semester:6th **Date ofperformance:12th march**
Subject Name: Advance programming **Subject code:22CSP-351**

Q.) Stack based implementation.

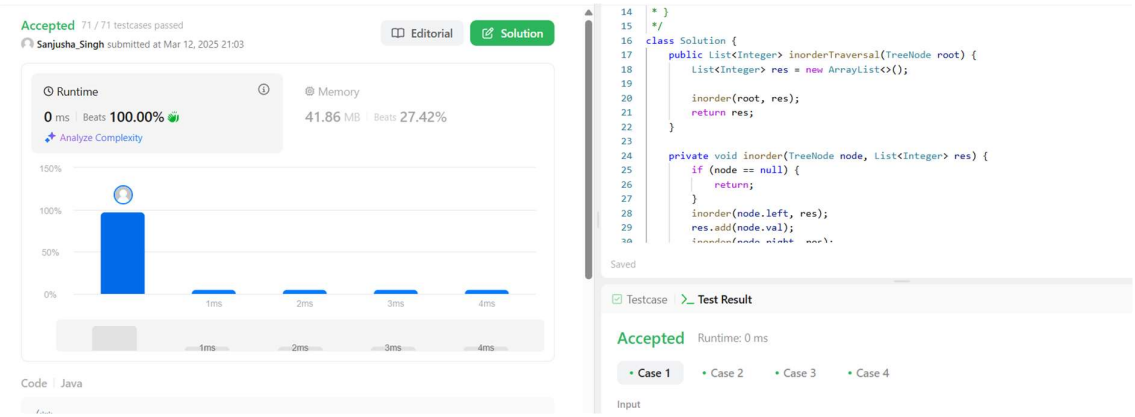
1.Implement Queue using Stack



2.Implement Min Stack using Two Stacks

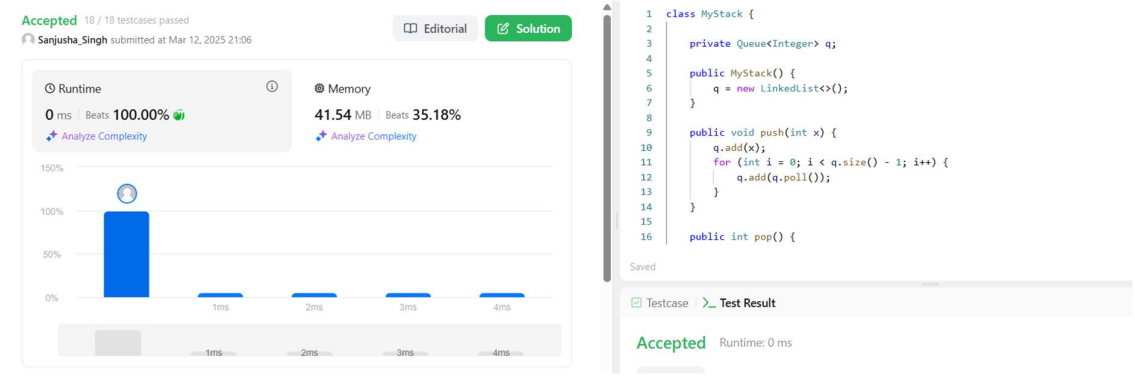


3.Implement BST (Inorder Traversal) using Stack (Iterative DFS)

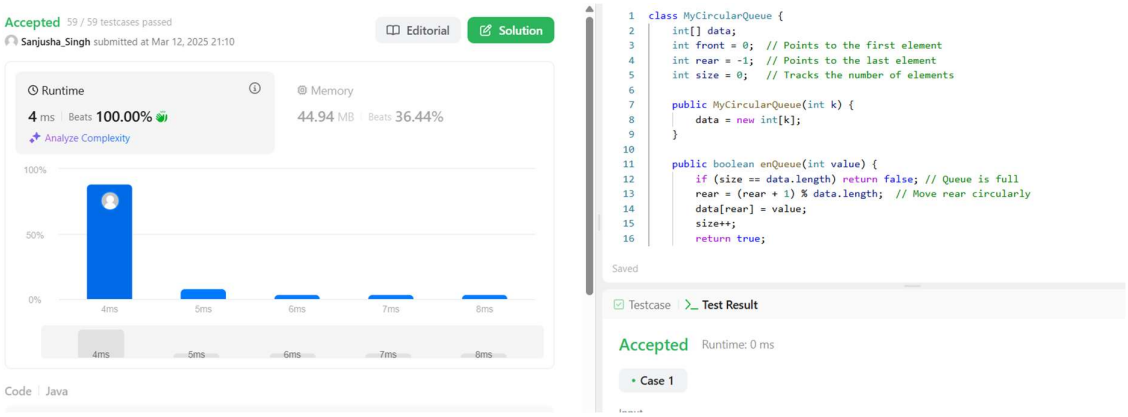


Q.) Queue-Based Implementations:-

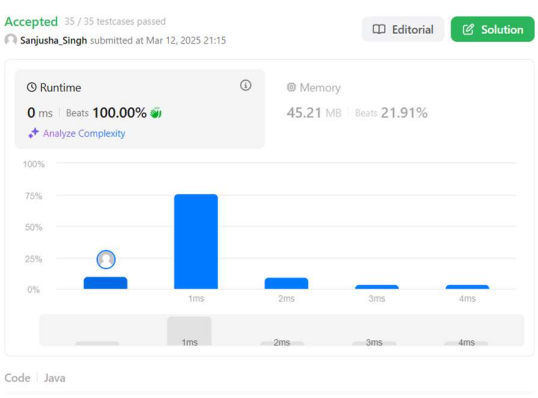
4. Implement Stack using Queue



5. Implement Circular Queue using Queue.

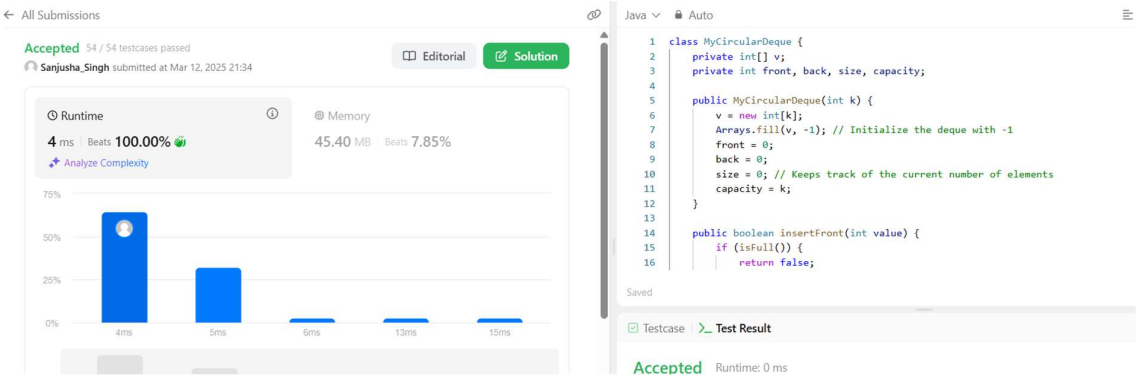


6.Implement BST Level Order Traversal using Queue (BFS).

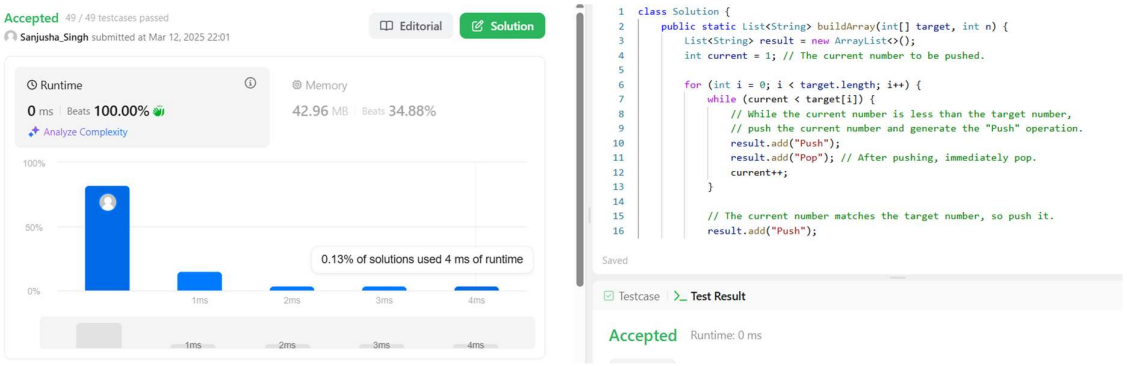


Array-Based Implementations:-

7.Implement Circular Queue using an Array.

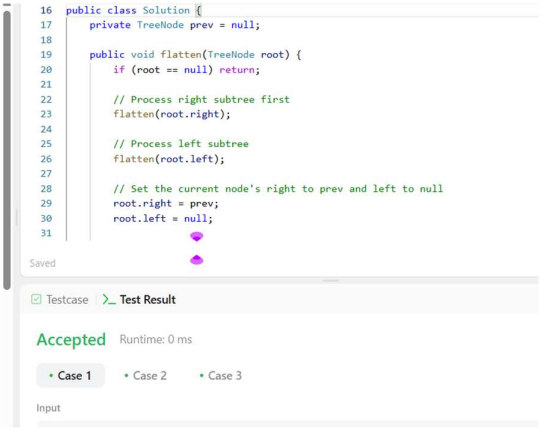


8.Implement Two Stacks in One Array.



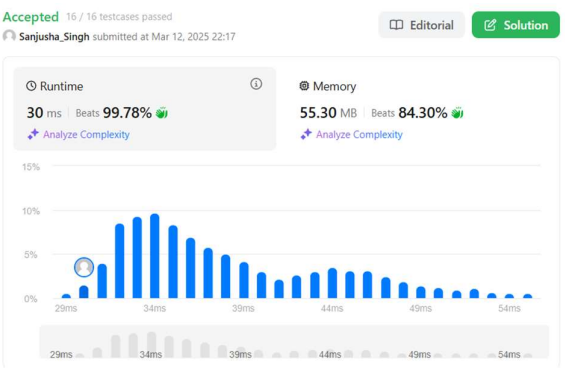
Q.) Linked List-Based Implementations:-

9. Implement BST using Linked List (Flattened Representation)

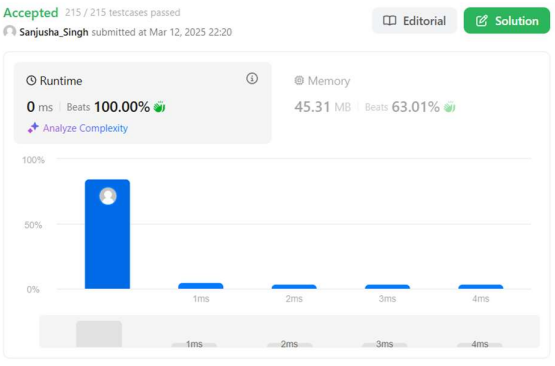


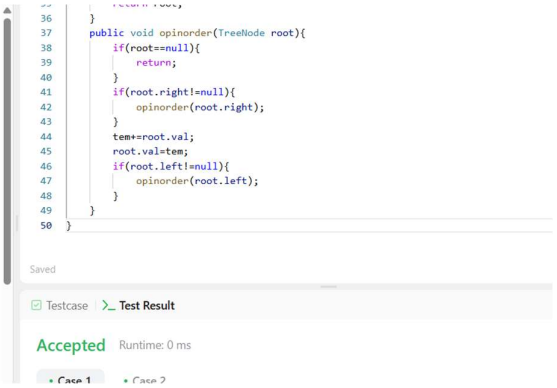
Q.) Tree-Based Implementations:-

10. Implement BST using Linked List



11. Implement Heap using BST





Q.) Hash Table-Based Implementations:-

12. Implement LFU Cache using Hash Table + Min Heap