INSTITUTE OF INNOVATION

Data Structures - Assignment 2

1. Implement Stack using Queues - LeetCode (5 marks)
2. Implement Queue using Stacks - LeetCode (5 marks)
3. Insert Delete GetRandom O(1) - LeetCode (5 marks)
4. Insert Delete GetRandom O(1) - Duplicates allowed - LeetCode (10 marks)
5. Design Linked List - LeetCode (5 marks)
6. Online Stock Span - LeetCode (10 marks)
7. Design a Stack With Increment Operation - LeetCode (10 marks)
8. Design Browser History - LeetCode (10 marks)

Submission guidelines:

- Solve all the problem on leetcode
- Create a folder on github with name 'DS - Assignment 2'
- Upload all the solution codes on github (also include the leetcode submission id as a top comment in the code)
- Submit the github repo link (make sure it's public so that I can access and evaluate them)

Important things:

- If I found plagiarism and code of any two students of any question is notoriously same then both of them will get 0 marks for the entire assignment
- If the code looks suspicious and appears to be copied from any AI or Non-AI tool then I will ask the corresponding student to solve any random problem of the same difficulty in front of me and if the student is unable to solve the problem in less than 20 min then 0 marks will be given for the entire assignment.

Java Programming

- Source: Link

Note: The quiz is scheduled to start on Monday at 9:10 AM and will end at 9:25 AM.

Web Development

- Source: Link

Note: The quiz is scheduled to start on Monday at 02:00 AM and will end at 02:20 AM.

Data Science

Source: Link