DSA Assignment - 24 June

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Github Repo Link https://github.com/Aditya1305T/SOE_Training_25

DSA- Section -

Question 1: Design a Singly Linked List and write functions to

- Insert at beginning
- o Insert at end
- Insert at any index
- Delete at beginning
- Delete at end
- Delete at index

Submission Screenshot:

```
adityatiwari@Adityas-MacBook-Pro-2 DSA % cd "/Users/adit
■ adityatiwari@Adityas-MacBook-Pro-2 output % ./"q1"
 6 5
 6 5 56 500
 100 6 5 56 500
 100 6 5 56 200 500 300
 5 56 200 500 300
 5 56 200
 0 1 5 56 200
 Please enter valid index.
 Index must be from 1 to 4.
 0 5 56
 Element 65 does not exist in the list.
🗅 adityatiwari@Adityas-MacBook-Pro-2 output % 📕
                    ☼ Debug SOE_Training_2025
ile & Run
         ∰ Compile
                                                  g++
```

Question 2: Delete a Node in Singly Linked List

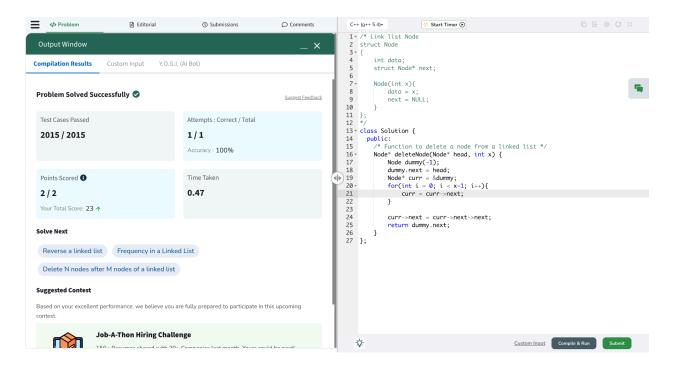
Platform: GeeksForGeeks

Problem Link:

https://www.geeksforgeeks.org/problems/delete-a-node-in-single-link

ed-list/1

Submission Screenshot:



Question 3: Find Middle

Platform: LeetCode

Problem Link: https://leetcode.com/problems/middle-of-the-linked-list/

Submission Screenshot:

