

**DSA 1**  
**Section A**  
**Practice Problem (Stack and Queue)**

1. Prefix to Infix Conversion

Input:  $A + B * C + D$

Output:  $ABC*+D+$

2. Balanced Bracket parenthesis problem.

Input:  $((()))()$

Output: Balanced

Input:  $((())$

Output: Not Balanced

3. Implement a Queue using 2 stacks.

4. Given N integers, the task is to insert those elements in the queue. Also, given M integers, the task is to find the frequency of each number in the Queue.

Input:

8

1 2 3 4 5 2 3 1

5

1 3 2 9 10

Output:

2

2

2

-1

-1