

1. [Remove all adjacent duplicates in string - Leetcode](#)



Introduction to Basic Data Structures

1. [Implement Stack using Queues](#) [Easy]
2. [Implement Queue using Stacks](#) [Easy]



Introduction to Basic Data Structures

Module 14.5: Practice Day 01 (Practice Questions)

Topics:

1. Stack
2. Queue

Practice Problem 1

Question: Take two stacks of size N and M as input and check if both of them are the same or not. Don't use STL to solve this problem.

Sample Input	Sample Output
5 10 20 30 40 50 5 10 20 30 40 50	YES
5 10 20 30 40 50 4 10 20 30 40	NO
5 10 20 30 40 50 5 50 40 30 20 10	NO

Practice Problem 2

Question: Take a stack of size N and a queue of size M as input. Then check if both of them are the same or not in the order of removing. You should use STL to solve this problem.

Sample Input	Sample Output
5 10 20 30 40 50 5 10 20 30 40 50	NO
5 10 20 30 40 50 4 10 20 30 40	NO
5 10 20 30 40 50 5 50 40 30 20 10	YES

Practice Problem 3

Question: Take a stack of size N as input and copy those elements to another stack to get the values in the order they were inserted and print them. You should use STL to solve this problem.

Sample Input	Sample Output
5 10 20 30 40 50	10 20 30 40 50

Practice Problem 4

Question: Take a queue of size N as input. You need to copy those elements in another queue in reverse order. You might use stack here. You should use STL to solve this problem. After copying in another queue, print the elements of that queue.

Sample Input	Sample Output
5 10 20 30 40 50	50 40 30 20 10

1. [Valid Parentheses - LeetCode](#)
2. [Backspace String Compare - LeetCode](#)
3. [Insert An Element At Its Bottom In A Given Stack - Coding Ninjas](#)
4. [Maximum Equal Stack Sum - Coding Ninjas](#)
5. [Reversing a Queue - Coding Ninjas](#)
6. [Min Stack - Leetcode](#)



Introduction to Basic Data Structures

Module 15.5: Practice Day 02

(Problem Links)

Topics:

1. Stack
2. Queue

Problem Links:

1. [Implement Stack With Linked List - Coding Ninjas](#) head k top dhorbo
2. [Implement a Queue - Coding Ninjas](#)
3. [Reverse First K elements of Queue - Coding Ninjas](#)
4. [Min Stack - Coding Ninjas](#)
5. [Kevin's stack problem - Coding Ninjas](#)