

Sparse Matrix Solving and DSA Library

Definition: We have created our own user defined library which can be used from inserting elements into a stack to finding minimum spanning path in a graph. We have also included sparse matrix solving – basic functions on sparse matrix like polynomial multiplication using Linked List.

Motivation: Although there already exists inbuilt library in programming languages we prefer to use our own libraries which can be modified as per requirement for development of some bigger project. Hence allowing us more flexibility as well as accessibility at the same time.

Features: It includes Operations of following Data Structures

1. Arrays
2. Stacks
3. Queues
4. Linked list
5. Binary Search Trees
6. Graphs

Approximate Plan:

To present the entire code with all its possible features by 30 April 2022.