

CL2001 – Data Structure Lab

Exercise # 06

Note:

- Copied task will be awarded **zero** marks.
- Use comments wherever applicable.
- Note that these lab task marks could be graded through a viva in lab.
- Variables and functions names should be meaningful.

Problem: 1 | Stack using Array

Implement the stackADT with size 10. It should have the following functions:

1. push: Adds a new element to the top of the stack.
2. top: Returns the top element of the stack.
3. pop: Removes the top element of the stack.

Problem: 2 | Stack using Linked List

Write a C++ program to implement stack using Linked List.

The program should use the following functions.

1. push(element)
2. pop()
3. display()
4. reverseStack() // this function should reverse the contents of stack

Implement main() in such a way that working of all the functions mention above will be satisfied.