

Lab 6

Stack

Note: Write all programs using function and pointer concept.

Using array -

1. Write a C Program to create stack.
2. Write a C Program to check fullness and emptiness of stack.
3. Write a C Program to push and pop elements in stack considering that elements are strings.
4. Write a C Program to convert an expression from infix to postfix.
5. Write a C Program to convert an expression from infix to prefix.
6. Write a C Program to convert an expression from postfix to infix.
7. Write a C Program to evaluate postfix expression.

Using linked list -

8. Write a C Program to create stack.
9. Write a C Program to check emptiness of stack.
10. Write a C Program to push and pop elements in stack considering that elements are integer.