

Lab Sheet-5 Stack, Applications of Stack

1. Implement a character stack using an array. Use this stack to check whether an entered parenthesized expression is valid or not. Assume the expression contains three types of parenthesis, '()', '{}', '[]'.
2. Write a Java program to convert an infix expression to its postfix form.
3. Implement postfix expression evaluation using stack in Java.
4. Implement two stacks using a single array.
5. Given a stack, how to reverse the elements of the stack using only stack.