import java.util.Stack;

public class StackExample {

public static void main(String[] args) {

Stack<Integer> stack = new Stack<>();

// Insert elements into the stack

stack.push(10);

stack.push(20);

stack.push(30);

stack.push(40);

stack.push(50);

System.out.println("Stack elements after insertion: " + stack);

// Remove elements from the stack

int removedElement = stack.pop();

System.out.println("Removed element: " + removedElement);

System.out.println("Stack elements after removal: " + stack);

// Peek the top element without removing

int topElement = stack.peek();

System.out.println("Top element: " + topElement);

}

}