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package teststackqueue;

public class TestStackQueue {

    public static void main(String[] args) {

        // Create a stack
        GenericStack<String> stack = new GenericStack<>();

        // Add elements to the stack
        stack.push("Chiru"); // Push Tom to the stack
        System.out.println("(1) " + stack);

        stack.push("Balayya"); // Push Susan to the the stack
        System.out.println("(2) " + stack);

        stack.push("Nag"); // Push it to the stack
        stack.push("Venki"); // Push Michael to the stack
        System.out.println("(3) " + stack);

        // Remove elements from the stack
        System.out.println("(4) " + stack.pop());
        System.out.println("(5) " + stack.pop());
        System.out.println("(6) " + stack);

        // Create a queue
        GenericQueue<String> queue = new GenericQueue<>();

        // Add elements to the queue
        queue.enqueue("Tom"); // Add Tom to the queue
        System.out.println("(7) " + queue);

        queue.enqueue("Susan"); // Add Susan to the queue
        System.out.println("(8) " + queue);

        queue.enqueue("Kim"); // Add Kim to the queue
        queue.enqueue("Michael"); // Add Michael to the queue
        System.out.println("(9) " + queue);

        // Remove elements from the queue
        System.out.println("(10) " + queue.dequeue());
        System.out.println("(11) " + queue.dequeue());
        System.out.println("(12) " + queue);

    }

}

```