import java.util.Stack;

public class CustomQueue {

private Stack<Object> stack1;

private Stack<Object> stack2;

public CustomQueue() {

stack1 = new Stack<Object>();

stack2 = new Stack<Object>();

}

public void enqueue(Object data) {

stack1.push(data);

}

public Object dequeue() {

while (stack2.empty()) {

while (!stack1.empty()) {

stack2.push(stack1.peek());

stack1.pop();

}

}

Object value = stack2.peek();

stack2.pop();

while (!stack2.empty()) {

stack1.push(stack2.pop());

}

return value;

}

public boolean empty() {

return stack1.empty();

}

}

public class Main {

public static void main(String[] args) {

// write your code here

CustomQueue queue = new CustomQueue();

System.out.println("前进");

queue.enqueue("第一页");

queue.enqueue("第二页");

queue.enqueue("第三页");

queue.enqueue("第四页");

System.out.println("后退");

while (!queue.empty()) {

System.out.println(queue.dequeue());

}

}

}

测试结果：

前进

后退

第一页

第二页

第三页

第四页