Simple List Example
public class IntList {
    //Implements a singly linked list of ints

    private class Node {
        private int data;
        private Node next;
        private Node(int d, Node n) {
            data = d;
            next = n;
        }
    }

    private Node head;

    public IntList() {
    }
}
public boolean empty() {
}

public void insertFirst(int d) {
}

public void insertLast(int d) {
}
public int sumI() {
    //returns the sum of the ints in the list
    //the implementation should be iterative
}

public int sumR() {
    //returns the sum of the ints in the list
    //the implementation should be recursive
}

private int sumR(Node h) {
    //returns the sum of the ints in the list
    //the implementation should be recursive
}