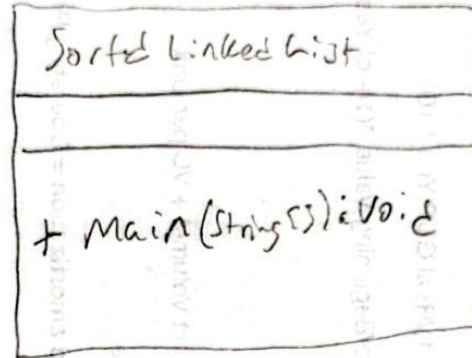


Class Diagram



```

class Node {
    int data;
    Node next;
}

class SortedLinkedList {
    Node head;
    Node tail;

    SortedLinkedList() {
        head = null;
        tail = null;
    }

    void insert(int data) {
        Node newNode = new Node(data);
        if (head == null) {
            head = newNode;
            tail = newNode;
        } else {
            if (data < head.data) {
                newNode.next = head;
                head = newNode;
            } else {
                tail.next = newNode;
                tail = newNode;
            }
        }
    }

    void display() {
        Node temp = head;
        while (temp != null) {
            System.out.print(temp.data + " ");
            temp = temp.next;
        }
    }
}

public class Main {
    public static void main(String[] args) {
        SortedLinkedList list = new SortedLinkedList();
        list.insert(10);
        list.insert(20);
        list.insert(30);
        list.insert(40);
        list.insert(50);
        list.display();
    }
}
    
```