

Description

Solution

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Java

Autocomplete

i

## 2. Add Two Numbers

Medium

👍 8936

🗨️ 2255

❤️ Add to List

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You are given two **non-empty** linked lists representing two non-negative integers. The digits are stored in **reverse order** and each of their nodes contain a single digit. Add the two numbers and return it as a linked list.

You may assume the two numbers do not contain any leading zero, except the number 0 itself.

### Example:

**Input:** (2 -> 4 -> 3) + (5 -> 6 -> 4)

**Output:** 7 -> 0 -> 8

**Explanation:** 342 + 465 = 807.

Accepted 1,504,579

Submissions 4,426,370

Seen this question in a real interview before?

Yes

No

Contributor



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```
1  /**
2   * Definition for singly-linked list.
3   * public class ListNode {
4   *     int val;
5   *     ListNode next;
6   *     ListNode() {}
7   *     ListNode(int val) { this.val = val; }
8   *     ListNode(int val, ListNode next) { this.val = val; this.next = next; }
9   * }
10  */
11  class Solution {
12  public:
13      ListNode addTwoNumbers(ListNode l1, ListNode l2) {
14          Long total = getVal(l1);
15          StringBuilder totalString = new StringBuilder(String.valueOf(total).reverse());
16          String test =
17              String.valueOf(totalString.charAt(0));
18          ListNode head = new
19              ListNode(Integer.valueOf(String.valueOf(test.charAt(0))), null);
20          for(int i = 1; i < totalString.length(); i++){
21              ListNode n = new
22                  ListNode(Integer.valueOf(String.valueOf(totalString.charAt(i))), null);
23              n.next = head;
24              insertItem(head, n);
25          }
26          return head;
27      }
28      public void insertItem(ListNode nodeInsert) {
29          ListNode node = head;
30          while (true){
31              if(node.next == null)
32                  node.next = nodeInsert;
33              break;
34          }
35          node = node.next;
36      }
37  }
```

Your previous code was restored from your local storage

Problems

Pick One

&lt; Prev

2/1563

Next &gt;

Console

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