👍 1407   👎 469   ♡ ▾

2. Add Two Numbers

| Description (/problems/add-two-numbers/description/) | Hints (/problems/add-two-numbers/hints/) | Submissions (/problems/add-two-numbers/submissions/) | Discuss (/problems/add-two-numbers/di |

💬 Discuss (https://discuss.leetcode.com/category/10)   ⤢ Pick One (/problems/random-one-question/)

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.
```

Seen this question in a real interview before? Yes   No   ⊗

Related Topics ▾

Similar Questions ▾

Python3   ▾   📄 🔄 >_ ⚙

```python
1   # Definition for singly-linked list.
2   # class ListNode:
3   #     def __init__(self, x):
4   #         self.val = x
5   #         self.next = None
6
7   class Solution:
8       def addTwoNumbers(self, l1, l2):
9           """
10          :type l1: ListNode
11          :type l2: ListNode
12          :rtype: ListNode
13          """
14
```

☐ **Custom Testcase** (**Contribute ❶**)

▶ Run   ☁ Submit