


# Add Two Numbers - LeetCode

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## 2. Add Two Numbers

Medium



Topics

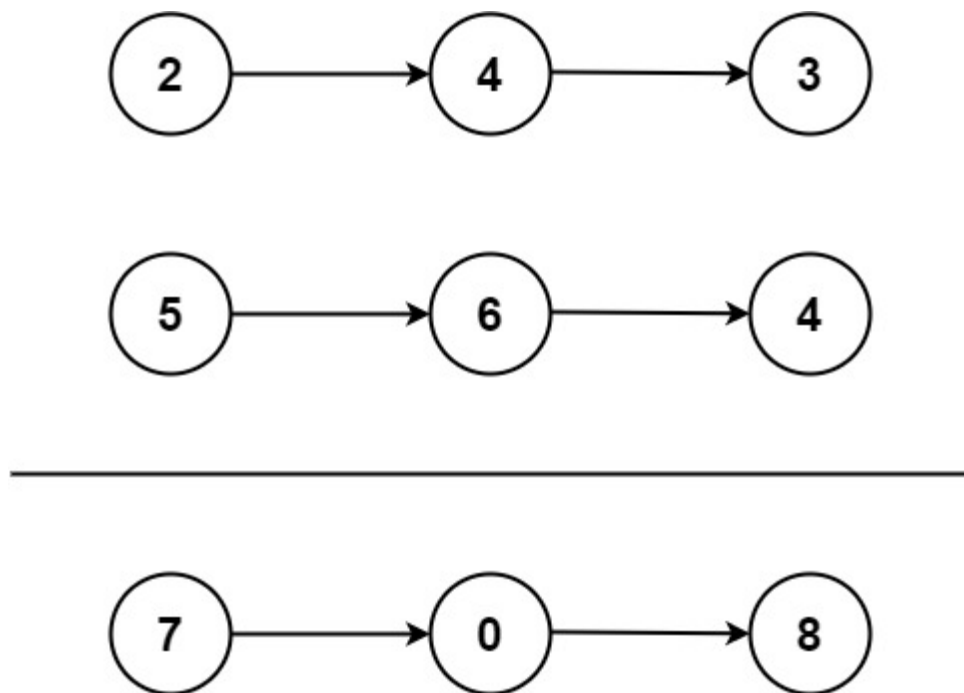


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You are given two **non-empty** linked lists representing two non-negative integers. The digits are stored in **reverse order**, and each of their nodes contains a single digit. Add the two numbers and return the sum as a linked list.

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

**Example 1:**



**Input:**  $l1 = [2, 4, 3]$ ,  $l2 = [5, 6, 4]$

**Output:**  $[7, 0, 8]$

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

**Example 2:**

**Input:**  $l1 = [0]$ ,  $l2 = [0]$

**Output:**  $[0]$

**Example 3:**

**Input:** l1 = [9,9,9,9,9,9,9], l2 = [9,9,9,9]

**Output:** [8,9,9,9,0,0,0,1]

**Constraints:**

- The number of nodes in each linked list is in the range [1, 100].
- $0 \leq \text{Node.val} \leq 9$
- It is guaranteed that the list represents a number that does not have leading zeros.

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