Question #18
Sum of Linked Lists

Difficulty : Easy Category :Linked Lists

You're given two Linked Lists of potentially **unequal** length. Each Linked List represents a **non-negative** integer, where each node in the Linked List is a digit of that integer, and the first node in each Linked List always represents **the least significant digit** of the integer. Write a function that returns the **head of a new Linked List that represents the sum** of the integers represented by the two input Linked Lists. Each LinkedList node has an integer value as well as a next node pointing to the next node in the list or to None / null if it's the tail of the list. The value of each LinkedList node is always in the range of 0 - 9 .
Note: your function must create and return a new Linked List, and you're not allowed to modify either of the input Linked Lists.

Sample Input
linkedListOne = 2 -> 4 -> 7 -> 1 // represents 1742 as a number
linkedListTwo = 9 -> 4 -> 5

Sample Output
1 -> 9 -> 2 -> 2
// linkedListOne represents 1742
// linkedListTwo represents 549
// 1742 + 549 = 2291

Good luck!

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