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//
// addTwoNumbers.h
// LeetCode Practice Report in C
//
// Created by 李政恩 on 30/06/2018.
//

#ifndef addTwoNumbers_h
#define addTwoNumbers_h

struct ListNode {
    int unitDigit;
    int tensDigit;
    int hundredsDigit;
};

struct ListNode firstSeriesOfNumber = {};
struct ListNode secondSeriesOfNumber = {};

int addTwoNumbers(void) {
    printf("\nPlease type the first series of three numbers orderly: ");
    scanf("%d", &firstSeriesOfNumber.unitDigit);
    printf(" -> ");
    scanf("%d", &firstSeriesOfNumber.tensDigit);
    printf(" -> ");
    scanf("%d", &firstSeriesOfNumber.hundredsDigit);

    printf("\nPlease type the second series of three numbers orderly: ");
    scanf("%d", &secondSeriesOfNumber.unitDigit);
    printf(" -> ");
    scanf("%d", &secondSeriesOfNumber.tensDigit);
    printf(" -> ");
    scanf("%d", &secondSeriesOfNumber.hundredsDigit);

    int sumOfTwoSeriesOfNumber =
        (firstSeriesOfNumber.unitDigit+secondSeriesOfNumber.unitDigit)
        +10*(firstSeriesOfNumber.tensDigit+secondSeriesOfNumber.tensDigit)
        +100*(firstSeriesOfNumber.hundredsDigit+secondSeriesOfNumber.hundredsDigit);

    char maximumOfTheLengthOfResultString[5];
    sprintf(maximumOfTheLengthOfResultString, "%d" ,
        sumOfTwoSeriesOfNumber);
    int length = strlen(maximumOfTheLengthOfResultString);

    printf("\nThe result is: ");
    for (int i = (length-1); i > 0; i--) {
        printf("%c -> ", maximumOfTheLengthOfResultString[i]);
    }
    printf("%c\n", maximumOfTheLengthOfResultString[0]);

    return 0;
}

```

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#endif /* addTwoNumbers_h */
```