InfyTQ SET 003

Solved Challenges **3/5**

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Two Numbers Sum

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InfyTQ

The program must accept a list of numbers from **1** to **9**, in which each number is separated by a comma. The program must find the sum of two numbers. These two numbers are needed to be calculated as per following rules.

1. First number should be calculated as :
Add all the numbers that do not come between the first 5 and the first 8 in the input.

2. Second number should be calculated as :
Append all the numbers to each other that comes between the first 5 and the first 8 (inclusive).

Finally, the program must print the sum of both the numbers as the output.

Note:
5 always comes before 8.
Number of 5's = Number of 8's.

Boundary Condition(s):
1 <= Each integer value <= 9

Input Format:
The first line contains a list of numbers separated by a comma.

Output Format:
The first line contains the sum of two numbers as per the given conditions.

Example Input/Output 1:
Input:
3,4,5,2,7,9,8,3,2

Output:
52810

Explanation:
The numbers that do not come between **5** and **8** are **3**, **4**, **3** and **2** and their sum is **12**.
The numbers that come between **5** and **8** (inclusive of 5 and 8) are **5**,**2**,**7**,**9** and **8**. After concatenation the number becomes 52798.
The sum of **12** and **52798** is **52810**.

Example Input/Output 2:
Input:
6,9,5,8,2

Output:
75

Example Input/Output 3:
Input:
1,6,5,5,3,2,8,9,1,8

Output:
55353

Max Execution Time Limit: 500 millisecs

Ambiance

Python3 (3.x)

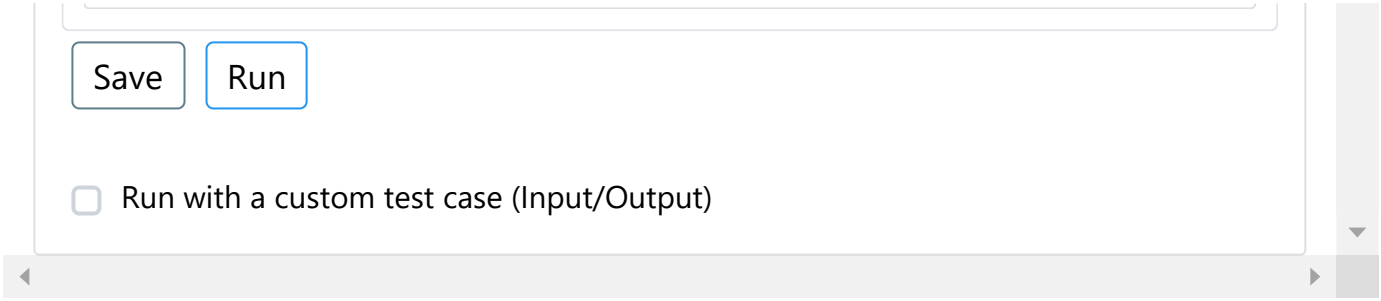
Reset

```
nums = list(map(int,input().strip().split(",")))
# print(nums)
# print(len(nums))

index=0
flag = 0
incl = 0
excl = 0
over_5=0
over_8=0
while(index<len(nums)):
    if(nums[index]==5 and not over_5):
        flag=1
        over_5=1
    if(nums[index]==8 and not over_8):
        flag=0
        incl=incl*10 + nums[index]
        index+=1
        over_8 = 1
        continue

    if(flag==0):
        excl+=nums[index]
    else:
        # print(nums[index])
        incl=incl*10 + nums[index]

    index=index+1

print(excl+incl)
```

Code did not pass the execution

Your Program Output:

55353


Save
Run
Run with a custom test case (Input/Output)