1. Program

1

Attempted: 1/1

Question 1

Revisit Later

How to Attempt?

Sum of Sums of Digits in Cyclic order: Alex has been asked by his teacher to do an assignment on sums of digits of a number. The assignment requires Alex to find the sum of sums of digits of a given number, as per the method mentioned below.

If the given number is 582109, the Sum of Sums of Digits will be calculated as =
= (5 + 8 + 2 + 1 + 0 + 9) + (8 + 2 + 1 + 0 + 9) + (2 + 1 + 0 + 9) + (1 + 0 + 9) + (0 + 9) + (9)
= 25 + 20 + 12 + 10 + 9 + 9 = 85

Alex contacts you to help him write a program for finding the Sum of Sums of Digits for any given number, using the above method.

Help Alex by completing the logic in the given function **sumOfSumsOfDigits** which takes as input an integer **input1** representing the given number.
The function is expected to return the "Sum of Sums of Digits" of input1.

Assumptions: For this assignment, let us assume that the given number will always contain more than 1 digit, i.e. the given number will always be >9.

JAVA7 | Compiler: Java - 1.7

```java
import java.io.*;
import  java.util.*;

// Read only region start
class UserMainCode
{

    public int sumOfSumsOfDigits(int input1){
        // Read only region end
        // Write code here...
        String num = String.valueOf(input1);
        int sum = 0;

        for (int i = 0; i < num.length(); i++) {
            for (int j = i; j < num.length(); j++) {
                sum += Integer.parseInt(String.valueOf(num.charAt(j)));
            }
        }
        return sum;
    }
}
```

Use Custom Input

Compile and Test | Submit Code

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Use Custom Input

Compile and Test | Submit Code

Code Execution | Code History

0/1 - Sample Test Cases Failed

default

CODE EXECUTION DETAILS
Time: 172 ms
Memory: 103812 kb

TEST CASE INFORMATION
Input
582109
Expected Output
85
Actual Output
85

CONSOLE OUTPUT

STANDARD ERROR/WARNING
None

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Use Custom Input

Compile and Test | Submit Code

Code Execution | Code History

0/5 - Graded Test Cases Failed

- TC 5
- TC 4
- TC 3
- TC 2
- TC 1