EASY

Max Score: 30 Points

Sum of Digits using Recursion

Write a function to find a way to determine the sum of the digits of a given number using recursion.

Input Format

The only line of input contains a single integer `n`.

Output Format

Print the sum of digits of the number using recursion.

Example 1

Input

```
1234
```

Output

```
10
```

Example 2

Input

72

Output

9

My code

```java
// in java
import java.util.*;
import java.lang.*;

class Solution{
public static int sum_of_digit(int n)
{
  // Your code here
     if(n==0)
          return 0;
     int r=n%10;
     n=n/10;
     return r+sum_of_digit(n);
}
}
public class Main {
```

```java
public static void main(String args[]) {
    Scanner sc = new Scanner(System.in);
    int n = sc.nextInt();
    Solution Ob = new Solution();
    System.out.println(Ob.sum_of_digit(n));
  }
}
```