

# Rajalakshmi Engineering College

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## 2024\_28\_III\_OOPS Using Java Lab

### 2028\_REC\_OOPS using Java\_Week 2\_Q5

Attempt : 1  
Total Mark : 10  
Marks Obtained : 10

#### Section 1 : Coding

##### 1. Problem Statement

Ted, the computer science enthusiast, has accepted the challenge of writing a program that checks if the number of digits in an integer matches the sum of its digits.

Guide Ted in designing and writing the code to solve this problem using a 'do-while' loop.

##### ***Input Format***

The input consists of an integer N, representing the number to be checked.

##### ***Output Format***

If the sum is equal to the number of digits, print "The number of digits in N matches the sum of its digits."

Else, print "The number of digits in N does not match the sum of its digits."

Refer to the sample output for formatting specifications.

**Sample Test Case**

Input: 20

Output: The number of digits in 20 matches the sum of its digits.

**Answer**

// You are using Java

import java.util.\*;

```
class wa{
    public static void main(String[] args){
        Scanner in = new Scanner(System.in);
        int a=in.nextInt();
        String t=String.valueOf(a);
        int s=a%9;
        int d=t.length();
        if(d==s){
            System.out.printf("The number of digits in %s matches the sum of its
digits.",a);
        }
        else{
            System.out.printf("The number of digits in %s does not match the sum of
its digits.",a);
        }
    }
}
```

**Status : Correct**

**Marks : 10/10**