Rajalakshmi Engineering College

Name: ANIRUDH R
Email: 240701039@rajalakshmi.edu.in
Roll no: 240701039
Phone: 9363540767
Branch: REC
Department: CSE - Section 10
Batch: 2028
Degree: B.E - CSE

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2024_28_III_OOPS Using Java Lab

2028_REC_OOPS using Java_Week 1_Q2

Attempt : 1
Total Mark : 10
Marks Obtained : 10

Section 1 : Coding

1. PROBLEM STATEMENT:

Dave got two students who wants help with their doubt. Each handouts an integer and wants to find if one Integer Positive While the Other is Not Divisible by 3. Write a program to achieve this and conclude for them.

Input Format

The first line of input represents the first integer.

The second line of input represents the second integer.

Output Format

The output should display as "One of the integers is positive while the other is not divisible by 3." or "Neither of the integers meets the condition."

Refer to the sample output for the formatting specifications.

Sample Test Case

Input: 4
3

Output: One of the integers is positive while the other is not divisible by 3.

Answer

```java
import java.util.Scanner;
class integer{
    public static void main(String[] args){
    Scanner sc = new Scanner(System.in);
    int a=sc.nextInt();
    int b=sc.nextInt();
    int c =0;
    if(a>0 && b>0){
        c=c+1;
    }
    if(c!=0){
        if(a%3!=0 && b%3==0){
            System.out.println("One of the integers is positive while the other is not
divisible by 3.");
        }
        else if(a%3==0 && b%3!=0){
            System.out.println("One of the integers is positive while the other is not
divisible by 3.");
        }else if(a%3!=0 && b%3!=0){
            System.out.println("One of the integers is positive while the other is not
divisible by 3.");
        }
        else if(a%3==0 && b%3==0){
            System.out.println("Neither of the integers meets the condition.");
        }

    }
    else{
        System.out.println("Neither of the integers meets the condition.");
    }
    }
}
```