

# Rajalakshmi Engineering College

Name: Gopiga.S.K Subramanian  
Email: 240701152@rajalakshmi.edu.in  
Roll no:  
Phone: 8248146916  
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**

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

**Status : Correct**

**Marks : 10/10**