

# Rajalakshmi Engineering College

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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 want help with their doubt. Each hands out an integer and wants to find if one integer is 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;
```

```
public class Main {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        int firstInteger = scanner.nextInt();
        int secondInteger = scanner.nextInt();

        boolean isFirstPositive = firstInteger > 0;
        boolean isSecondNotDivisibleBy3 = secondInteger % 3 != 0;
        boolean isSecondPositive = secondInteger > 0;
        boolean isFirstNotDivisibleBy3 = firstInteger % 3 != 0;

        if ((isFirstPositive && isSecondNotDivisibleBy3) || (isSecondPositive &&
isFirstNotDivisibleBy3)) {
            System.out.println("One of the integers is positive while the other is not
divisible by 3.");
        } else {
            System.out.println("Neither of the integers meets the condition.");
        }

        scanner.close();
    }
}
```

**Status :** Correct

**Marks :** 10/10