

# Rajalakshmi Engineering College

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Batch: 2028

Degree: B.E - CSE

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

### 2028\_REC\_OOPS using Java\_Week 1\_Q7

Attempt : 1

Total Mark : 10

Marks Obtained : 10

#### Section 1 : Coding

##### 1. Problem Statement:

Miles is working on a program that involves analyzing two integers. He wants to check if either one of the integers is both:

Less than or equal to zero, and Odd. Can you help him create a program that identifies whether either of the integers meets these conditions?

##### *Input Format*

The input consists of two integers on separate lines, denoted as 'input1' and 'input2'.

##### *Output Format*

A single line with a boolean result (either 'true' or 'false') indicating whether either 'input1' or 'input2' is both less than or equal to zero and odd.

Refer to the sample output for format specifications

***Sample Test Case***

Input: -45

10

Output: true

***Answer***

```
// You are using Java
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int input1 = sc.nextInt();
        int input2 = sc.nextInt();
        sc.close();

        boolean cond1 = (input1 <= 0) && ((input1 & 1) != 0);
        boolean cond2 = (input2 <= 0) && ((input2 & 1) != 0);

        boolean result = cond1 || cond2;
        System.out.print(result);
    }
}
```

**Status : Correct**

**Marks : 10/10**