

Rajalakshmi Engineering College

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2024_28_III_OOPS Using Java Lab

2028_REC_OOPS using Java_Week 1_Q7

Attempt : 2
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

```
import java.util.Scanner;
```

```
public class Main {  
    public static void main(String[] args) {  
        Scanner scanner = new Scanner(System.in);  
  
        // Read two integers on separate lines  
        int input1 = scanner.nextInt();  
        int input2 = scanner.nextInt();  
  
        // Check if either number is both <= 0 and odd  
        boolean isFirstValid = (input1 <= 0) && (input1 % 2 != 0);  
        boolean isSecondValid = (input2 <= 0) && (input2 % 2 != 0);  
  
        // Final result  
        boolean result = isFirstValid || isSecondValid;  
  
        // Print the result  
        System.out.println(result);  
    }  
}
```

Status : Correct

Marks : 10/10