Rajalakshmi Engineering College

Name: Sanshia Jude
Email: 240701471@rajalakshmi.edu.in
Roll no: 240701471
Phone: 9486711302
Branch: REC
Department: CSE - Section 10
Batch: 2028
Degree: B.E - CSE

2024_28_III_OOPS Using Java Lab

2028_REC_OOPS using Java_Week 1_Q4

Attempt : 1
Total Mark : 10
Marks Obtained : 10

Section 1 : Coding

1. Problem Statement

Vishal and Arun are discussing the properties of numbers. Vishal gives Arun two integers. He asks Arun to check if the sum of these two numbers is a multiple of their product.

Can you assist Arun and determine whether the sum is a multiple of the product?

Input Format

The input consists of two space-separated integers.

Output Format

The output prints:

1. "Sum is Multiple of Product" if the sum of the two numbers is divisible by their product.
2. "Sum is Not Multiple of Product" otherwise.

Refer to the sample output for formatting specifications.

Sample Test Case

Input: 1 2

Output: Sum is Not Multiple of Product

Answer

```java
import java.util.Scanner;

class Num{
    public static void main(String args[]){
        Scanner obj = new Scanner(System.in);

        int a = obj.nextInt();
        int b = obj.nextInt();

        int sum = a+b;
        int prod = a*b;

        if(sum%prod == 0){
            System.out.println("Sum is Multiple of Product");
        }
        else{
            System.out.println("Sum is Not Multiple of Product");
        }

    }
}
```

Status : Correct   ***Marks : 10/10***