

# Rajalakshmi Engineering College

Name: Venkat krishna.A

Email: 241801308@rajalakshmi.edu.in

Roll no: 241801308

Phone: 9361019427

Branch: REC

Department: AI & DS - Section 5

Batch: 2028

Degree: B.E - AI & DS

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

### 2028\_REC\_OOPS using Java\_Week 2\_Q2

Attempt : 1

Total Mark : 10

Marks Obtained : 10

### Section 1 : Coding

#### 1. Problem Statement

Samantha is a diligent math student who is exploring the world of programming. She is learning Java and has recently studied conditional statements. One day, her teacher gives her an interesting problem to solve, which takes a number as input and checks whether it is a multiple of 5 or 7.

Help her complete the task.

#### ***Input Format***

The input consists of a single integer N, representing the number to be checked.

#### ***Output Format***

If the number is a multiple of 5 but not 7, the output prints "N is a multiple of 5"

If the number is a multiple of 7, the output prints "N is a multiple of 7".

Otherwise the output prints "N is neither multiple of 5 nor 7" where N is an entered integer.

Refer to the sample output for formatting specifications.

### **Sample Test Case**

Input: 10

Output: 10 is a multiple of 5

### **Answer**

```
// You are using Java
import java.util.*;
class Main{
    public static void main(String args[])
    {
        Scanner sc = new Scanner(System.in);
        int a = sc.nextInt();
        if(a % 5 == 0 && a % 7 != 0){
            System.out.println( a+" is a multiple of 5 ");
        }
        else if(a % 7 == 0){
            System.out.println( a+" is a multiple of 7");
        }
        else
        {
            System.out.println( a+ " is neither multiple of 5 nor 7");
        }
    }
}
```

**Status :** Correct

**Marks :** 10/10