

# Rajalakshmi Engineering College

Name: Elamvazhuthi MS

Email: 240701133@rajalakshmi.edu.in

Roll no: 240701133

Phone: 7010282287

Branch: REC

Department: CSE - Section 4

Batch: 2028

Degree: B.E - CSE

Scan to verify results



## 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 h{
    public static void main(String args[]){
        Scanner s=new Scanner(System.in);
        int a=s.nextInt();
        if(a%7==0 && a%5!=0){
            System.out.printf("%d is a multiple of 7",a);
        }
        else if(a%7!=0 && a%5==0){
            System.out.printf("%d is a multiple of 5",a);
        }
        else if(a%7!=0 && a%5!=0){
            System.out.printf("%d is neither multiple of 5 nor 7",a);
        }
    }
}
```

**Status :** Correct

**Marks :** 10/10