

Rajalakshmi Engineering College

Name: Abishek D
Email: 240701013@rajalakshmi.edu.in
Roll no: 240701013
Phone: 8825816124
Branch: REC
Department: CSE - Section 10
Batch: 2028
Degree: B.E - CSE

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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

```
import java.util.*;

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

        int a=in.nextInt();

        if(a%7==0)
        {
            System.out.printf("%d is a multiple of 7",a);
        }
        else if(a%5==0)
        {
            System.out.printf("%d is a multiple of 5",a);
        }
        else{
            System.out.print(a+" is neither multiple of 5 nor 7");
        }
    }
}
```

Status : Correct

Marks : 10/10