Rajalakshmi Engineering College

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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

```java
import java.util.Scanner;

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

        int num = sc.nextInt();
        if(num % 5 == 0 && num % 7 != 0){
            System.out.println(num + " is a multiple of 5");
        }
        else if(num % 7 == 0){
            System.out.println(num + " is a multiple of 7");
        }
        else
            System.out.println(num + " is neither multiple of 5 nor 7");
        sc.close();
    }
}
```

Status : Correct   *Marks : 10/10*