

Day 20 coding Statement : Write a program to identify if the number is Prime number or not

Description

Get a number as input from the user and check whether that number is prime or not.

A prime number is a number with factors as 1 and that number itself.

Input

1

Output

1 is not a prime number

Input

5

Output

5 is a prime number

```
import java.util.Scanner;

public class Program {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter a number");
        int num = sc.nextInt();
        int count = 0;
        if (num <= 1)
            System.out.println(num + " is not a prime number");
        else {
            for (int i = 2; i <= num; i++) {
                if (num % i == 0) {
                    count++;
                }
            }
            if (count > 2)
                System.out.println(num + " is not a prime number");
            else
                System.out.println(num + " is a prime number");
        }
    }
}
```