**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 RatanPrajapati\_day20 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        int num = sc.nextInt();

        if (num == 0 || num == 1) {

            System.out.println(num + " is not a prime number  ");

        } else {

            boolean isprime = true;

            for (int i = 2; i \* i <= num; i++) {

                if (num % i == 0) {

                    isprime = false;

                    break;

                }

            }

            if (isprime) {

                System.out.println(num + " is a prime number");

            } else {

                System.out.println(num + " is not a prime number  ");

            }

        }

    }

}