**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

**Code**:

// Day 20 coding Statement :

// Write a program to identify if the number is Prime number or nots

import java.util.Scanner;

public class Day\_20 {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

System.out.print("Enter A Number : ");

int num=sc.nextInt();

if(num==1)

{

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

return ;

}

else

{

boolean isArmstrong=true;

for(int i =2;i<=num/2;i++)

{

if(num%i==0)

{

isArmstrong=false;

break;

}

}

if(isArmstrong)

{

System.out.println(num+" is an Prime number.");

}else{

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

}

}

}

}

**Output**:



