**Day 16 coding Statement : Write a program to identify if the number is Perfect number or not**

**Description**

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

E.g. Let number is 28, factors of 28 are 1,2,4,7,14. Now the sum of all these factors are 28 itself.

**Input**

28

**Output**

Perfect Number

**Input**

4

**Output**

Not a perfect number

**Code** :

// Day 16 coding Statement :

// Write a program to identify if the number is Perfect number or not

import java.util.Scanner;

public class Day\_16

{

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

System.out.print("Enter number : ");

int num=sc.nextInt();

int perfectNum=1;

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

{

if(num%i==0)

{

perfectNum+=i;

}

}

if(num==perfectNum)

{

System.out.print(num+" is a Perfect Number.");

}else{

System.out.print(num+" is Not A Perfect Number.");

}

}

}

**Output** :

