**Day 19 coding Statement : Write a program to identify if the number is Armstrong number or not**

**Description**

Get an input number from user and check whether the given number is an Armstrong number or not.

E.g. Let the number be 1634,

Here 1^4 + 6^4 + 3 ^4 + 4^4 = 1634

Therefore, this is an Armstrong number

**Input**

153

**Output**

Armstrong number

**Input**

121

**Output**

Not an Armstrong number

import java.util.Scanner;

import java.lang.Math;

public class RatanPrajapati\_day19 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        int num = sc.nextInt();

        int temp = num;

        int len = (int) Math.log10(num) + 1;

        int sum = 0;

        while (num > 0) {

            sum += (Math.pow((num % 10), len));

            num /= 10;

        }

        if (sum == temp) {

            System.out.println("Armstrong number");

        } else {

            System.out.println("Not an Armstrong number");

        }

    }

}