**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

**Code :**

// Day 19 coding Statement :

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

import java.util.Scanner;

public class Day\_19 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

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

        int num;

        int temp;

        try {

            num = sc.nextInt();

        } catch (Exception e) {

            System.out.println("Please enter numeric value only \n" + e);

            sc.close();

            return;

        }

        int l = 0;

        /\*

         \* String temp=String.valueOf(num);

         \* l=temp.length();

         \* System.out.println(l);

         \*/

        temp = num;

        while (temp > 0) {

            temp = temp / 10;

            l += 1;

        }

        temp = num;

        int isArmstrong = 0;

        while (temp > 0) {

            int rem = temp % 10;

            int multi = 1;

            for (int i = 0; i < l; i++) {

                multi = multi \* rem;

            }

            isArmstrong += multi;

            temp /= 10;

        }

        if (num == isArmstrong) {

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

        } else {

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

        }

        sc.close();

    }

}

**Output:**

