7.  write a simple applet java program to check whether the given number is armstrong number or not

Description

Armstrong Number :A positive number is called armstrong number if it is equal to the sum of cubes of its digits for example 0, 1, 153, 370, 371, 407 etc.

Let's try to understand why 153 is an Armstrong number.

153 = (111)+(555)+(333)

where:

(111)=1

(555)=125

(333)=27

So:

1+125+27=153

import java.util.Scanner;

public class Astro {

public static void main(String[] args) {

int num, number, temp, total = 0;

System.out.println("Ënter 3 Digit Number");

Scanner scanner = new Scanner(System.in);

num = scanner.nextInt();

scanner.close();

number = num;

for( ;number!=0;number /= 10)

{

temp = number % 10;

total = total + temp\*temp\*temp;

}

if(total == num)

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

else

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

}

}

Output:

