import java.util.Scanner;

public class CodesCracker

{

public static void main(String[] args)

{

int num, temp, totalDigit=0, res=0, rem, pow, i;

Scanner scan = new Scanner(System.in);

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

num = scan.nextInt();

temp = num;

while(num>0)

{

num = num/10;

totalDigit++;

}

num = temp;

while(num>0)

{

rem = num%10;

pow = 1;

i = 0;

while(i<totalDigit)

{

pow = pow\*rem;

i++;

}

res = res + pow;

num = num/10;

}

if(res==temp)

System.out.println("\nArmstrong Number");

else

System.out.println("\nNot an Armstrong Number.");

}

}