import java.util.Scanner;

import java.lang.Math;

public class Main {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

System.out.println("Enter n value");

int n=sc.nextInt();

int temp=n;

int temp1=n;

int count=0;

int rem, res, sum=0;

while(n > 0) {

rem=n % 10;

count+=1;

n=n/10;

}

while(temp > 0) {

rem=temp % 10;

res=(int)Math.pow(rem,count);

sum=sum+res;

temp=temp/10;

}

if(sum==temp1) {

System.out.println("yes it is armstrong number:"+ temp1);

} else {

System.out.println("not armstrong");

}

}

}