import java.util.Scanner;

public class Main{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

System.out.println("enter n: ");

int n=sc.nextInt();

int temp=0;

for (int i=1;i<n;i++){

if(n%i==0){

temp=temp+i;

}

}

System.out.println(temp);

if(n==temp){

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

}

else{

System.out.println("not a perfect number");

}

}

}