import java.io.\*;

import java.util.\*;

interface AdvancedArithmetic{

int divisorSum(int n);

}

//Write your code here

class Calculator implements AdvancedArithmetic

{

public int divisorSum(int n)

{

int result=0;

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

{

if(n%i==0){

result+=i;

}

}

return result;

}

}

class Solution {

public static void main(String[] args) {

Scanner scan = new Scanner(System.in);

int n = scan.nextInt();

scan.close();

AdvancedArithmetic myCalculator = new Calculator();

int sum = myCalculator.divisorSum(n);

System.out.println("I implemented: " + myCalculator.getClass().getInterfaces()[0].getName() );

System.out.println(sum);

}

}