

```
1 package oop;
2 import java.util.*;
3
4
5 //static int sum=0;
6 interface AdvancedArithmetic{
7     int divisor_sum(int n);
8 }
9 class MyCalculator implements AdvancedArithmetic
10 {
11     public int divisor_sum(int n)
12     {
13         int sum1=0;
14         for(int j=1;j<=n;j++)
15         {
16             if(n%j==0)
17             {
18                 sum1+=j;
19             }
20         }
21         return sum1;
22     }
23 }
24
25 class Divisor {
26
27     public static void main(String[] args) {
28         Scanner sc = new Scanner(System.in);
29
30         int n = sc.nextInt();
31         AdvancedArithmetic obj = new MyCalculator();
32         System.out.println("The sum of divisors is: "+obj.divisor_sum(n));
33     }
34 }
35
36
37
38
```