Java Interface

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A Java interface can only contain method signatures and fields. The interface can be used to achieve polymorphism. In this problem, you will practice your knowledge on interfaces.

You are given an interface *AdvancedArithmetic* which contains a method signature *int divisor_sum(int n)*. You need to write a class called MyCalculator which implements the interface.

divisorSum function just takes an integer as input and return the sum of all its divisors. For example divisors of 6 are 1, 2, 3 and 6, so *divisor_sum* should return 12. The value of n will be at most 1000.

Read the partially completed code in the editor and complete it. You just need to write the MyCalculator class only. *Your class shouldn't be public.*

Sample Input

```
6
```

Sample Output

```
I implemented: AdvancedArithmetic
12
```

Explanation

Divisors of 6 are 1,2,3 and 6. 1+2+3+6=12.

Current Buffer (saved locally, editable) Java 7

```
1 ▸ import ↔;
2 ▾ interface AdvancedArithmetic{
3     int divisor_sum(int n);
4 }
5 //Write your code here
```

```
6 ▸ class Solution{↔}
27
28
```

Line: 3 Col: 1

Upload Code as File | Test against custom input | Run Code | Submit Code