

Write the following code in your editor below:

1. A class named *Arithmetic* with a method named *add* that takes **2** integers as parameters and returns an integer denoting their sum.
2. A class named *Adder* that inherits from a superclass named *Arithmetic*.

Your classes should not be **public**.

Input Format

You are not responsible for reading any input from stdin; a locked code stub will test your submission by calling the *add* method on an *Adder* object and passing it **2** integer parameters.

Output Format

You are not responsible for printing anything to stdout. Your *add* method must return the sum of its parameters.

Sample Output

The *main* method in the *Solution* class above should print the following:

```
My superclass is: Arithmetic
42 13 20
```