

## Programming Assignment

Startup code is provided for you.

### *The problem:*

- Notice we can arrange Triangle, Square, Circle into an array of type Object[] by polymorphism. But Object does not have a computeArea method, so we cannot polymorphically compute areas by using a single superclass method computeArea.
- Instead, if we use an array Object[], we have to repeatedly test the type of the Object in the array in order to execute the correct computeArea method (using the *instanceof* operator).
- This approach needs improvement!

### *Solution:*

- Inheritance and polymorphically read computeArea() method.

