

Special Topic 9.2

Anonymous Classes

An entity is *anonymous* if it does not have a name. In a program, something that is only used once doesn't usually need a name. For example, you can replace

```
Coin aCoin = new Coin(0.1, "dime");
data.add(aCoin);
with
  data.add(new Coin(0.1, "dime"));
```

if the coin is not used elsewhere in the same method. The object new Coin(0.1, "dime") is an anonymous object. Programmers like anonymous objects, because they don't have to go through the trouble of coming up with a name. If you have struggled with the decision whether to call a coin c, dime, or aCoin, you'll understand this sentiment.

Inner classes often give rise to a similar situation. After a single object of the Rectangle-Measurer has been constructed, the class is never used again. In Java, it is possible to declare anonymous classes if all you ever need is a single object of the class.

This means: Construct an object of a class that implements the Measurer interface by declar-

ing the measure method as specified. Many programmers like this style, but we will not use it

in this book.