10. Inheritance :: Calling an Overridden Superclass Method

Sometimes the behavior of a superclass-inherited method is exactly what the subclass requires, but the subclass also has to perform some additional operations.

Example: suppose at a university all students—undergraduate and graduate—are assessed tuition using the same formula: $tuition = \$675 \times credit \ hours$. However, graduate students in certain professional programs (e.g., dentistry, pharmacy, medicine) are assessed an addition professional program fee of \$3,500.

We can write the *calcTuition()* method in *Student* that calculates a student's tuition by multiplying \$675 by the number of credit hours. We need to call that method in the *GraduateStudent* class to calculate the tuition and then add the professional program fee when necessary.

```
public class Student {
   public double calcTuition() {
     return 675 * creditHours();
   }
}
```

10. Inheritance :: Calling an Overridden Superclass Method (continued)