Testing

Test Fixture to Object Bench (and vice versa)

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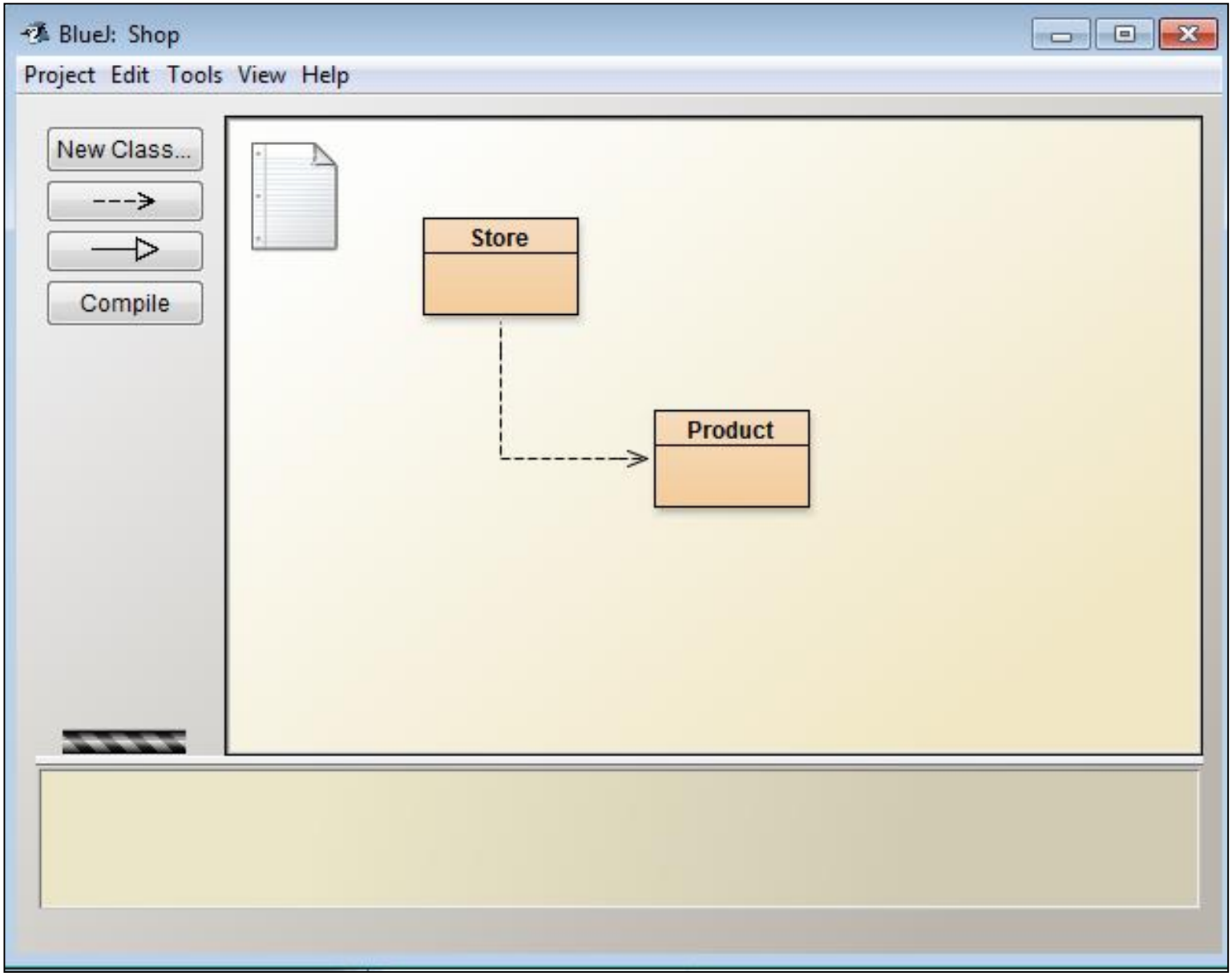
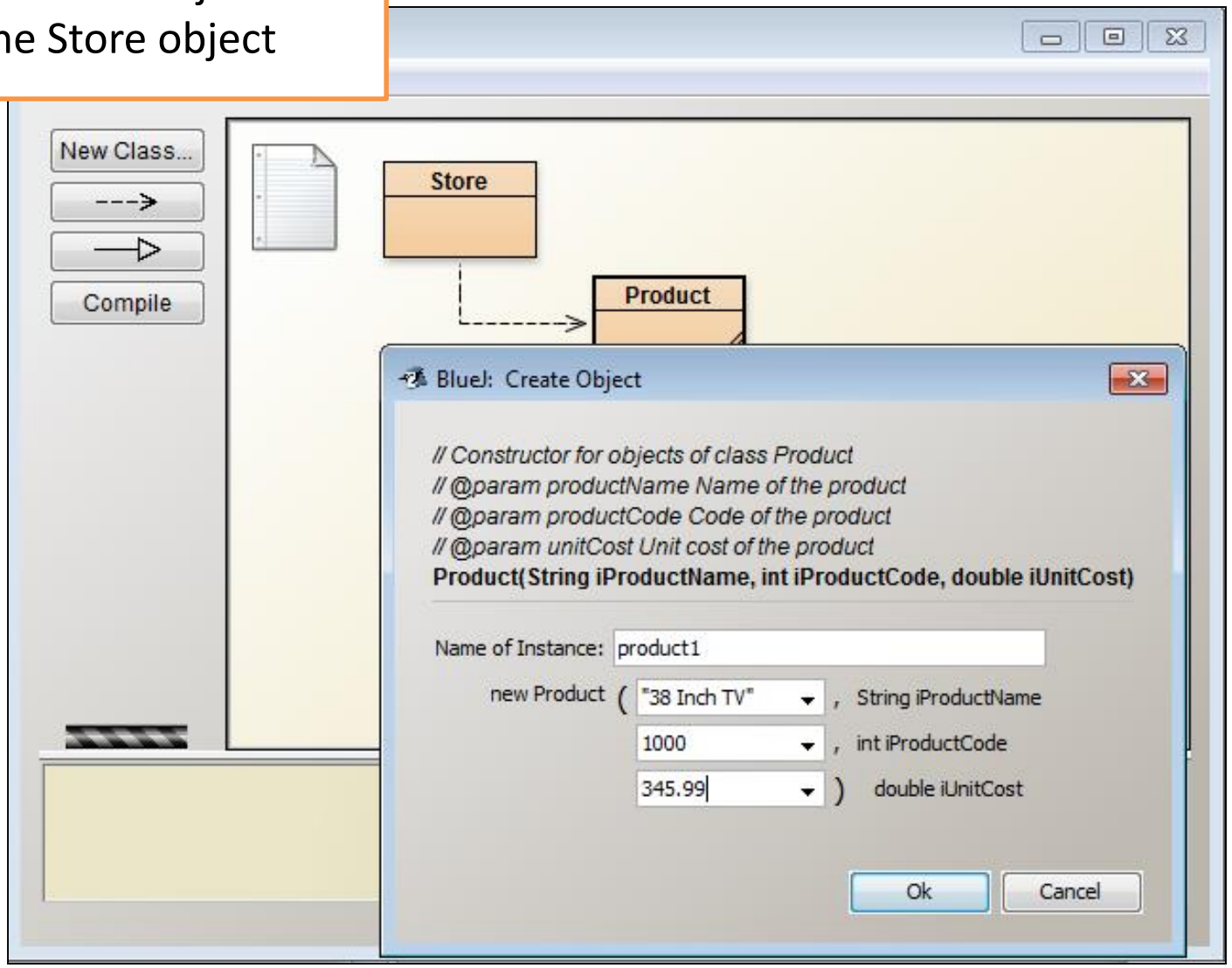
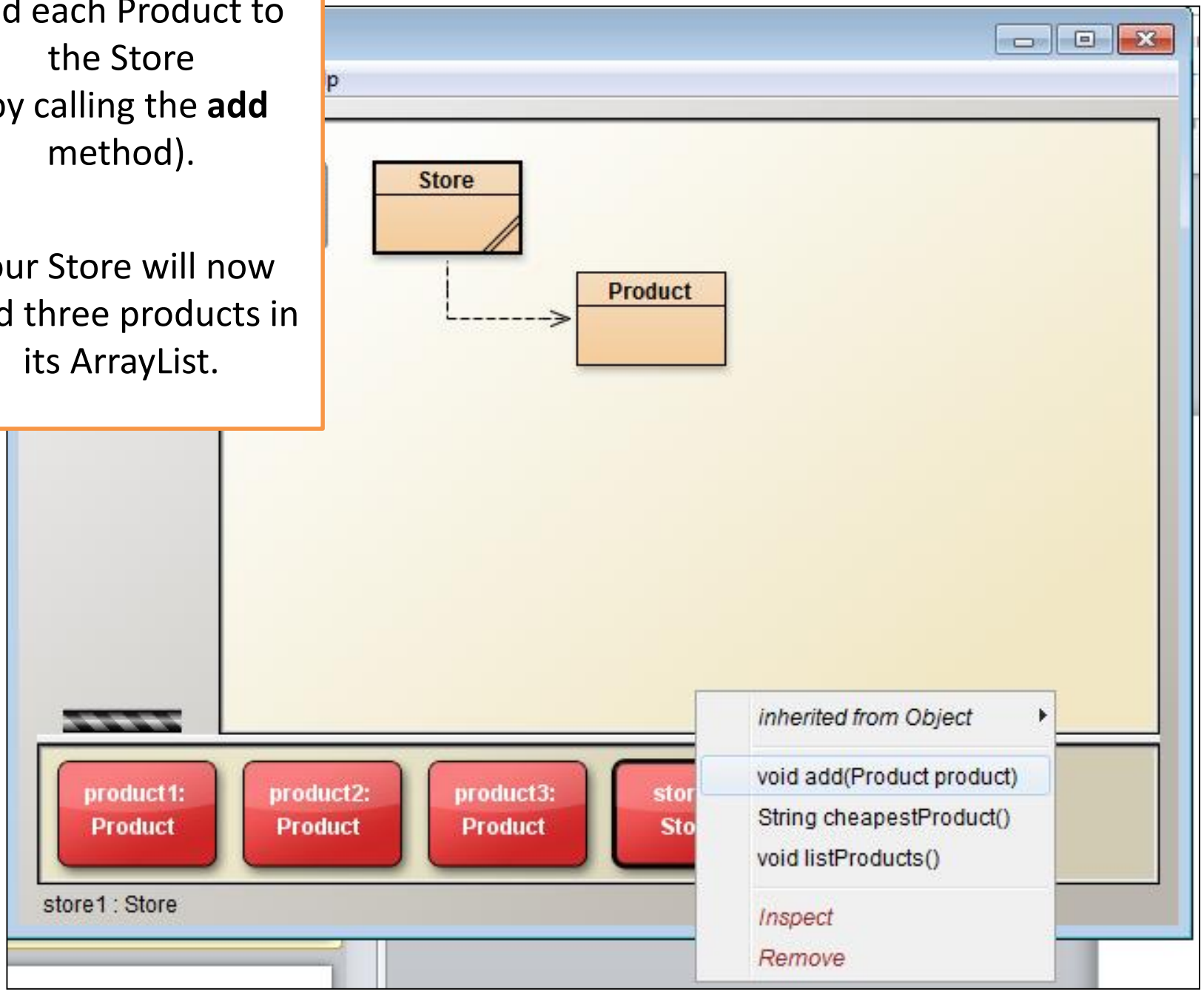

BlueJ: Shop
Project Edit Tools View Help
New Class...
Compile
Store
Product

In the usual way, create three Product objects and one Store object



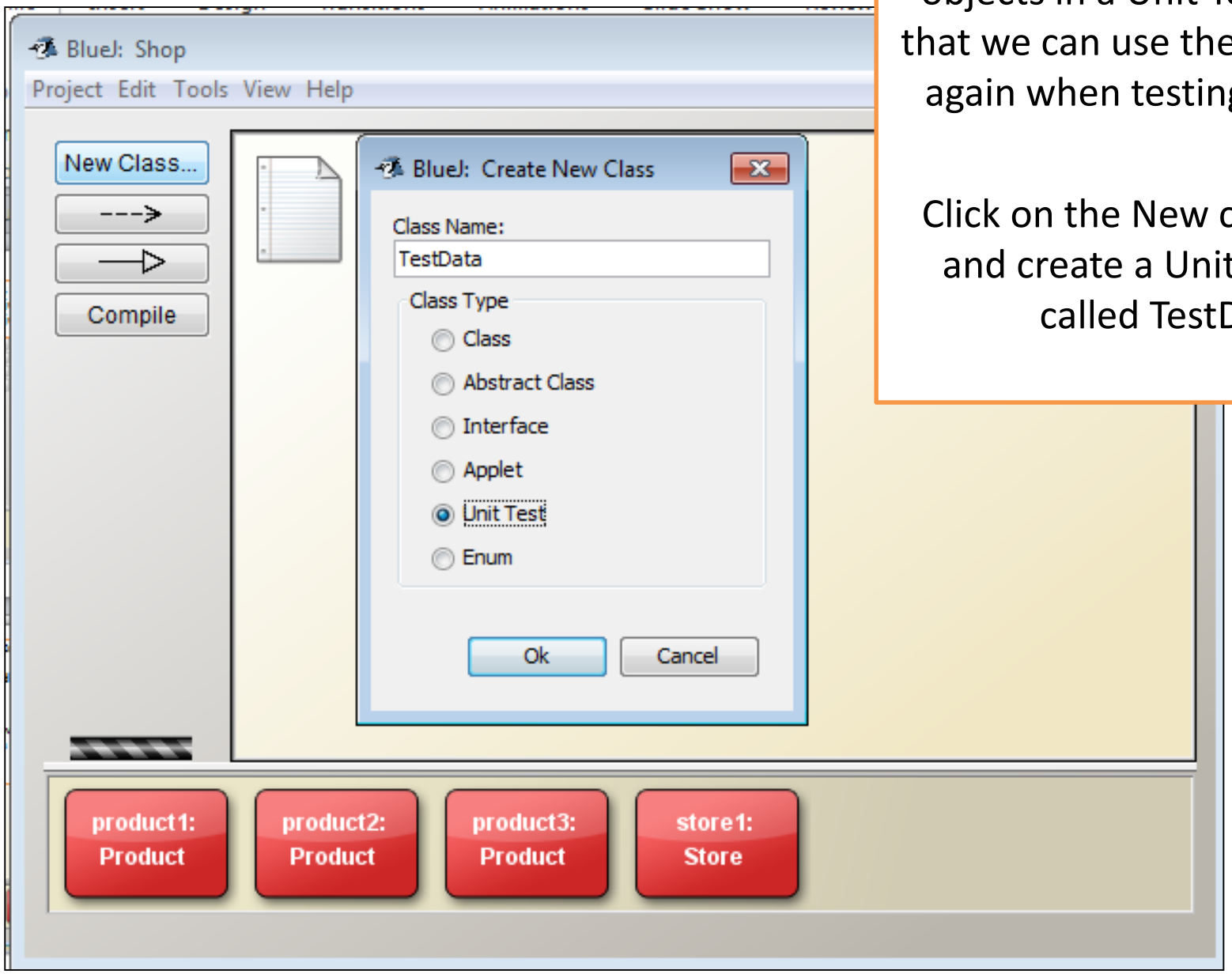
Add each Product to the Store (by calling the **add** method).

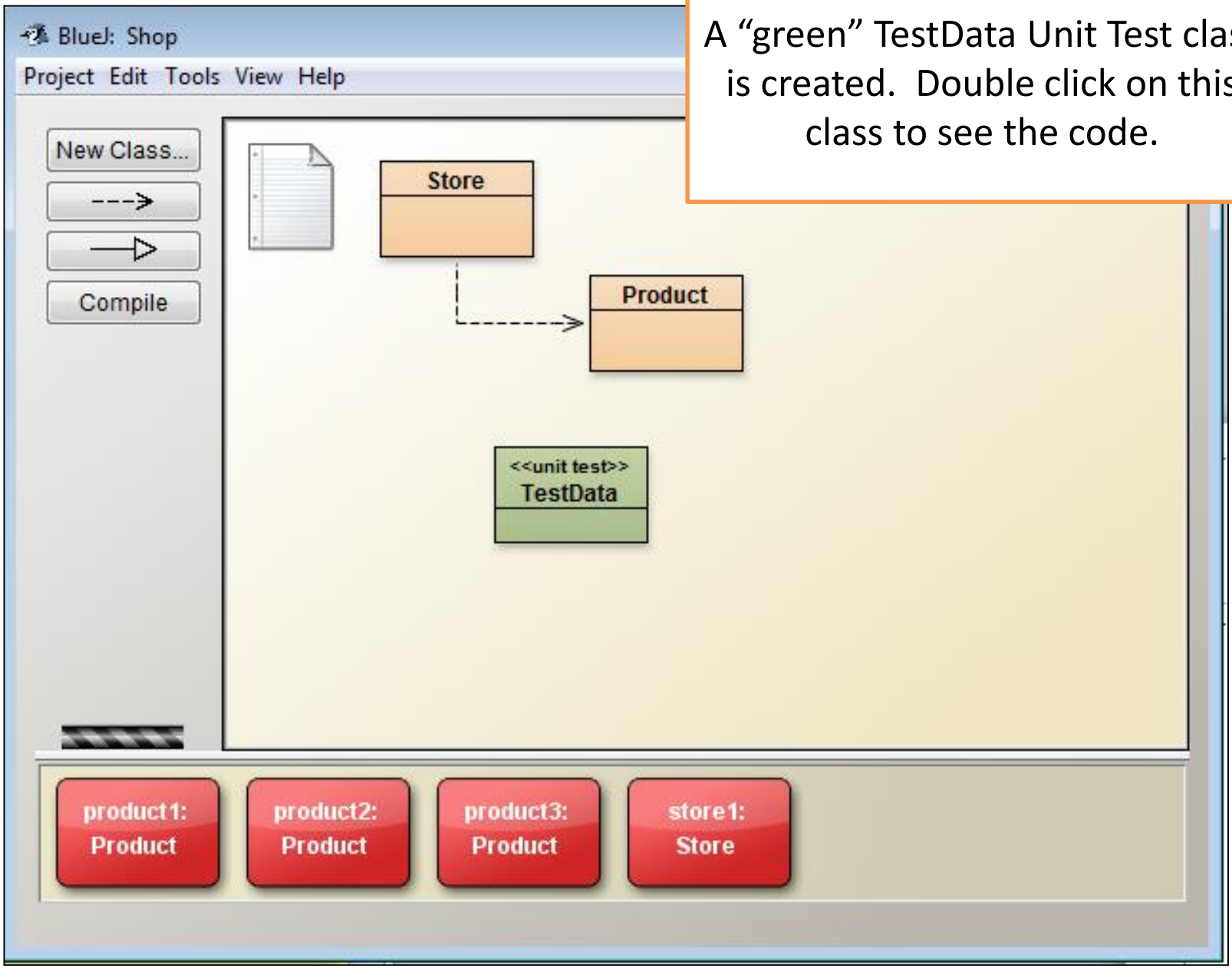
Your Store will now hold three products in its ArrayList.



We will now “save” these objects in a Unit Test class, so that we can use them again and again when testing our code!

Click on the New class button and create a Unit Test class called TestData.



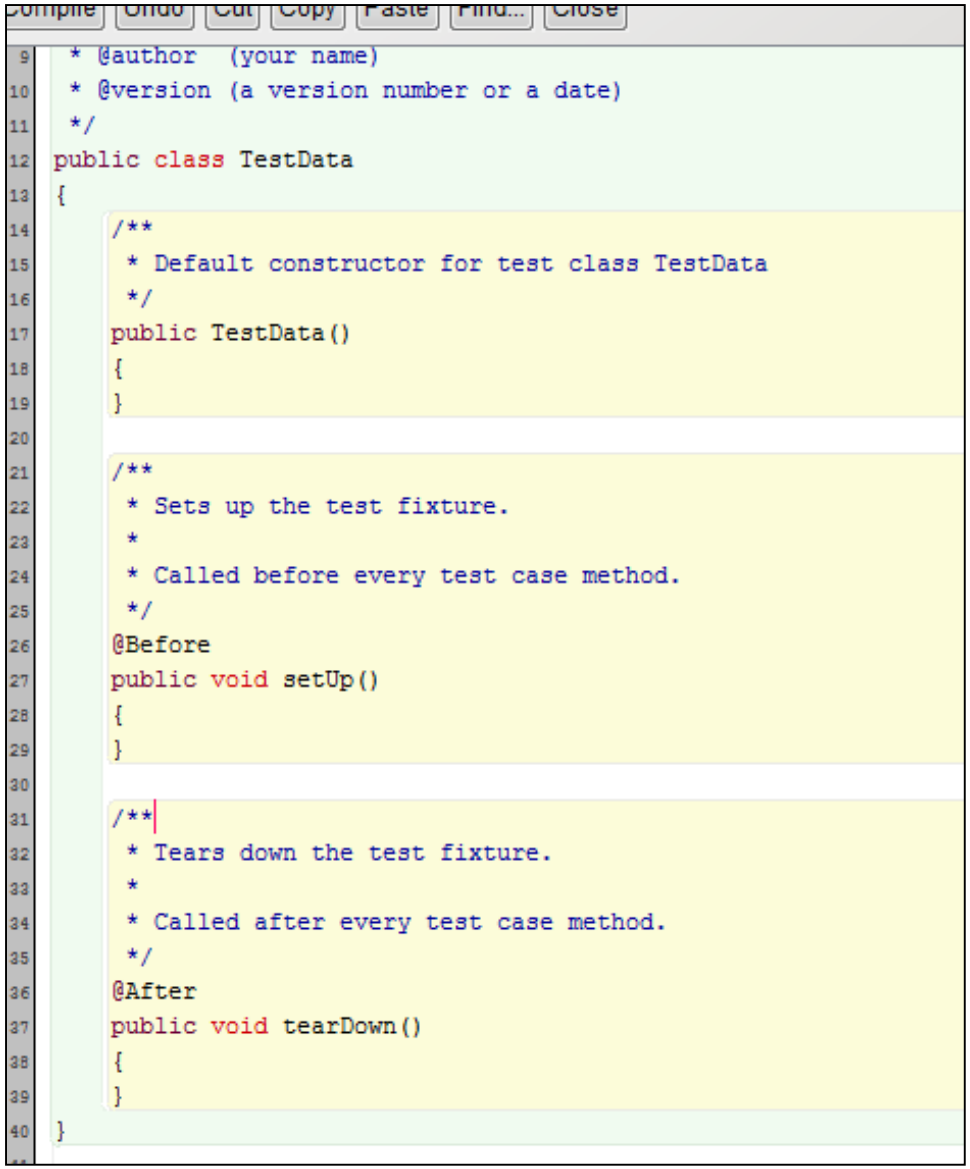


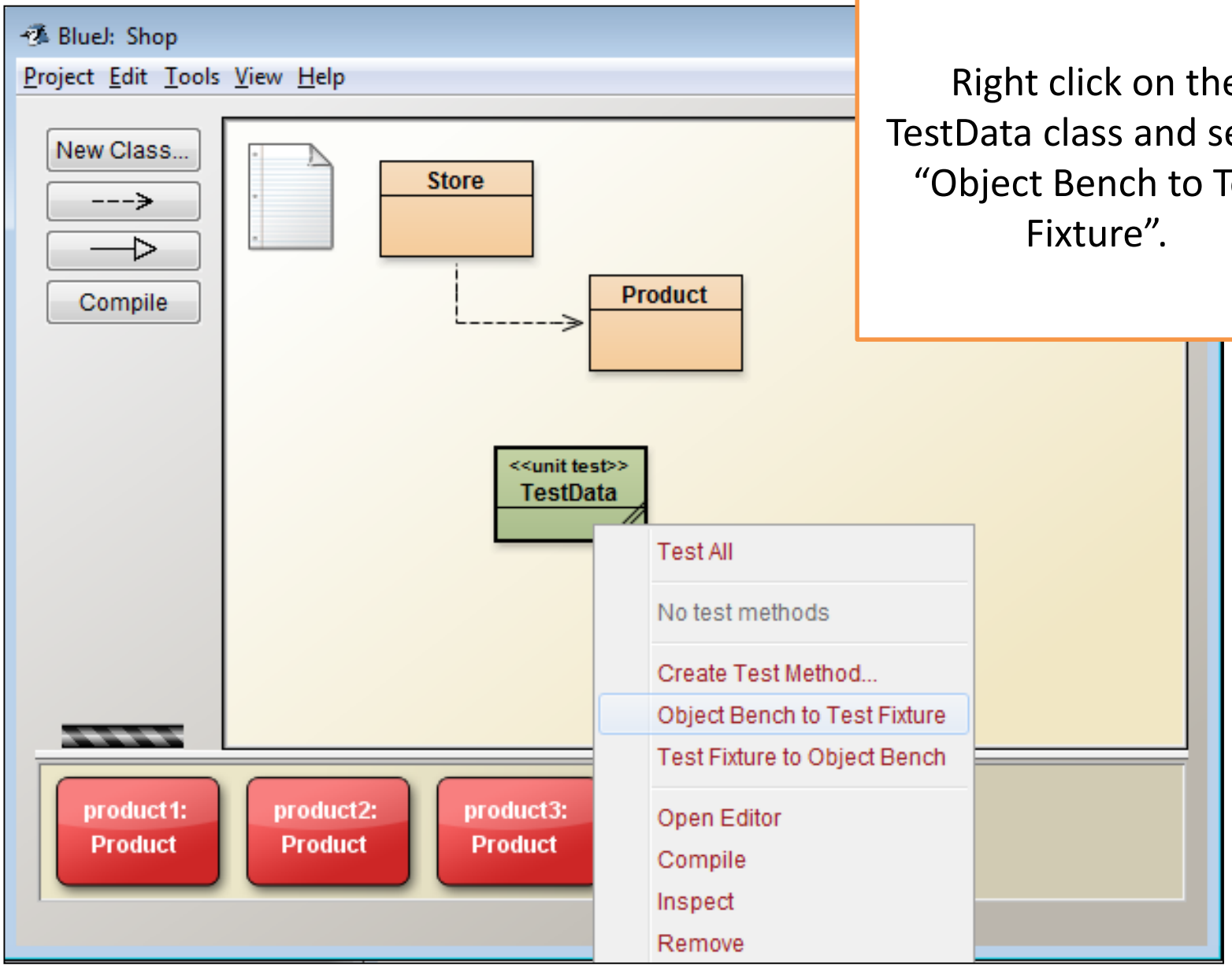
A “green” TestData Unit Test class is created. Double click on this class to see the code.

This is the generated code in the test class.

At the moment we are not interested in the methods created and the terms used e.g.: test fixture, test case, junit, etc. We will cover these later on in the semester or early next semester.

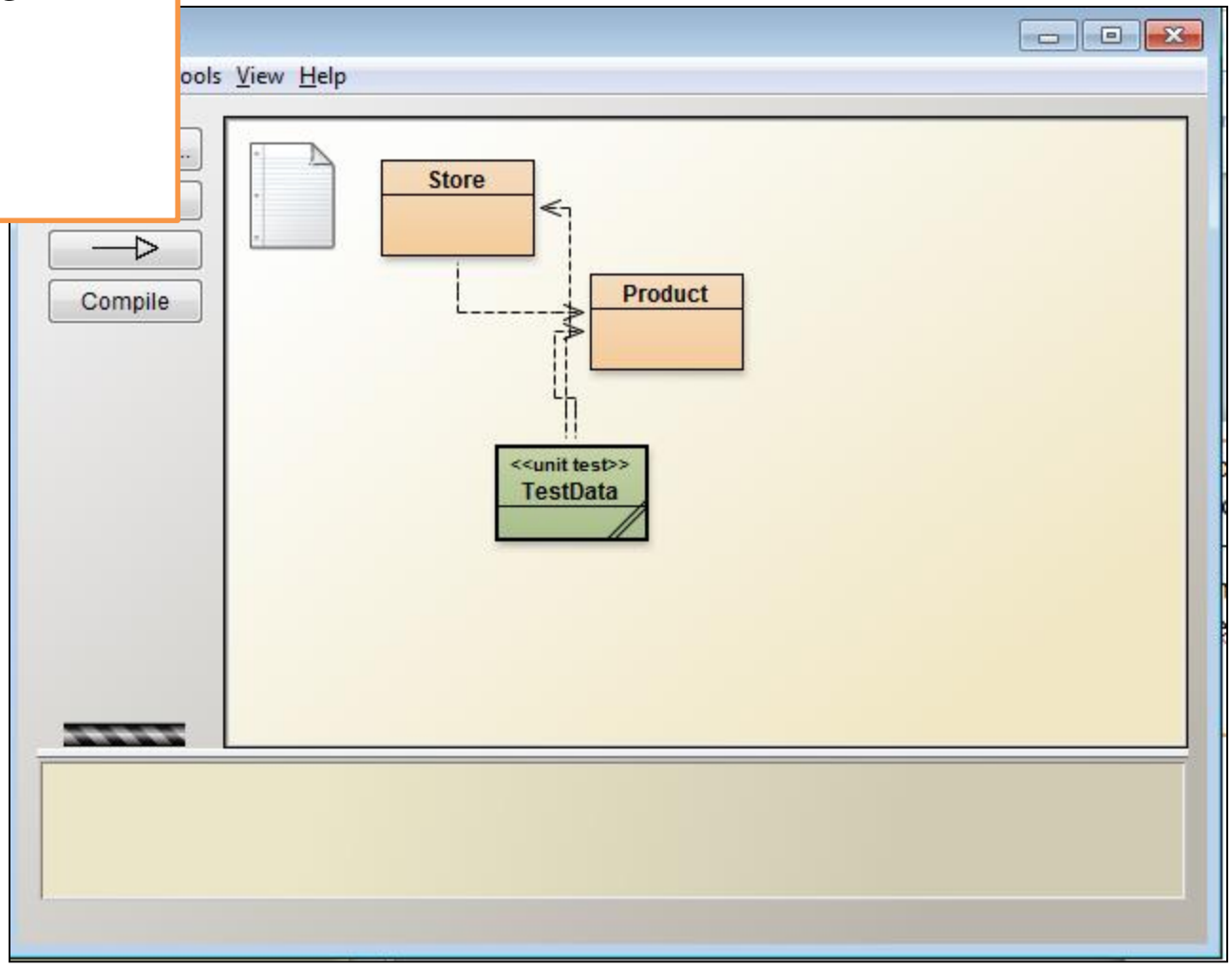
We just want to use this facility to save us time when testing our code.

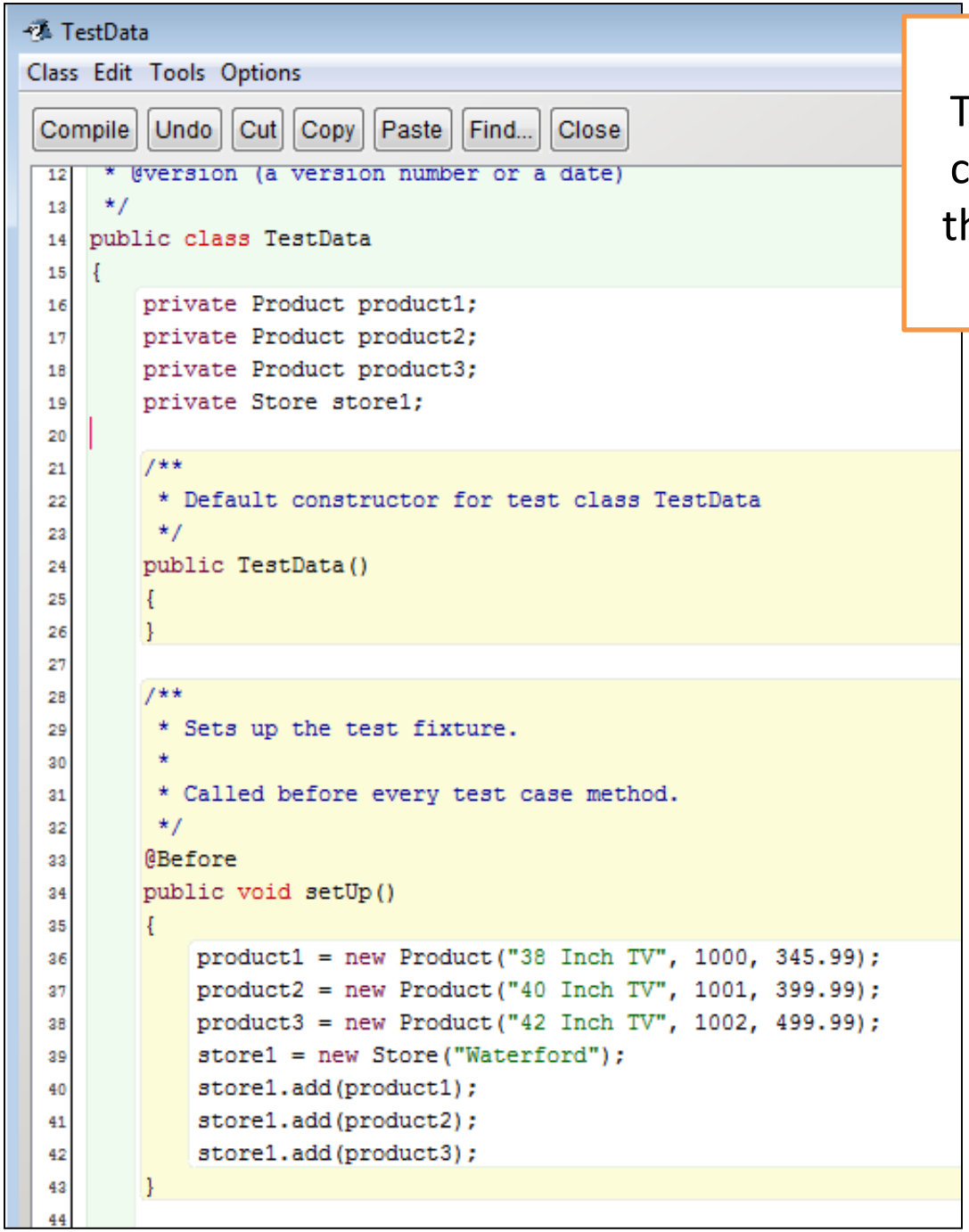




Right click on the TestData class and select "Object Bench to Test Fixture".

- Your objects disappear from the Object Bench.
- The objects were “moved” into the TestData class.



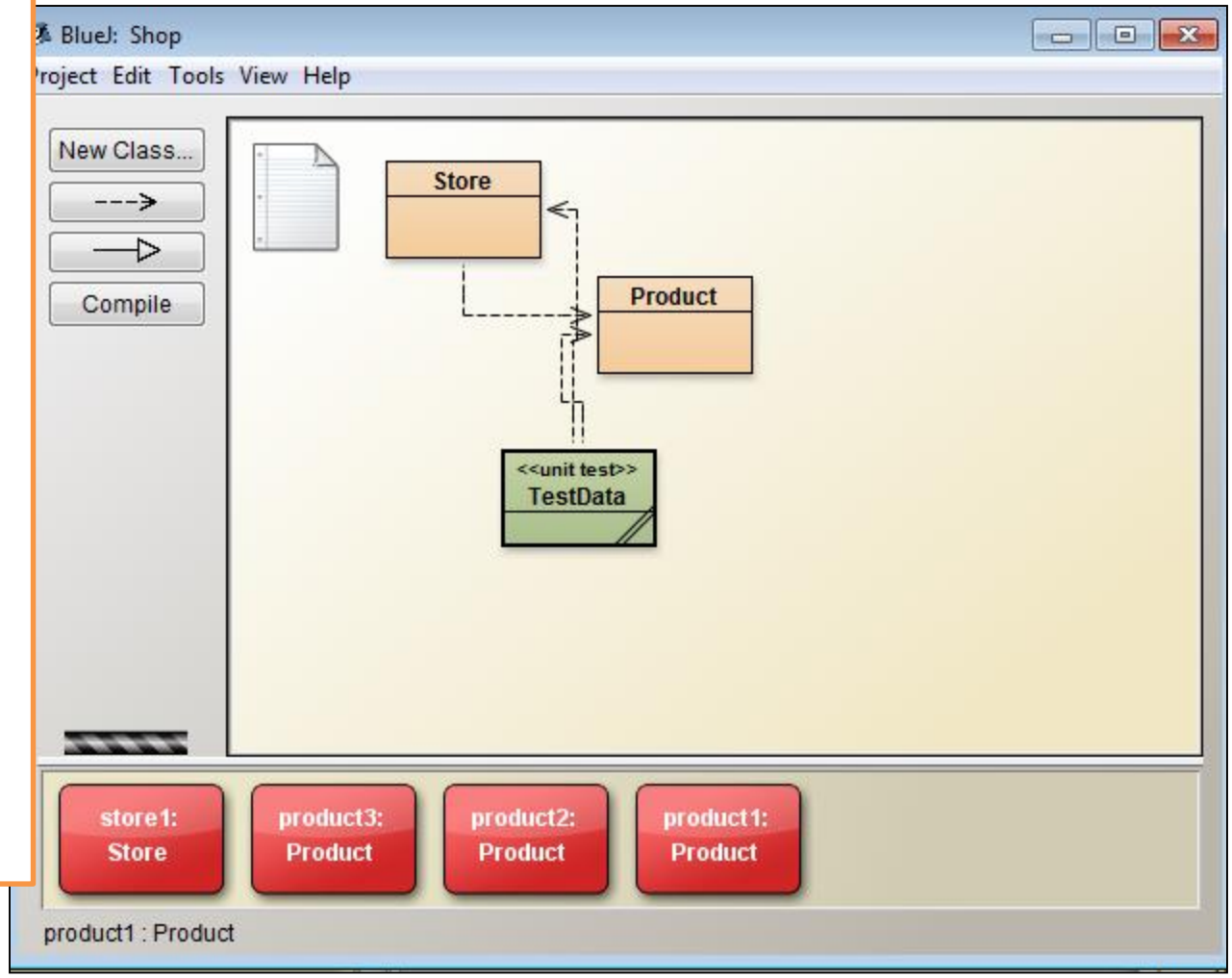


Double click on the green TestData class and note the changes; the contents from the Object Bench have been moved into the code.

When you make code changes to your Store or Product class, you do not have to manually create objects; instead you can use the ones that you just moved into the green TestData class.

To do this:

- Right click on the green TestData class
- Select “Test Fixture to Object Bench”
- Your objects will be copied from your test fixture to your object bench.



Questions?

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