## Testing

## Test Fixture to Object Bench (and vice versa)

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In the usual way, create three Product objects and one Store object	
New Class  >   D   Compile	Store Product Product Bluel: Create Object // Constructor for objects of class Product // @param productName Name of the product // @param productCode Code of the product // @param unitCost Unit cost of the product // @param unitCost UnitCost // @param unitCost UnitCost // @param unitCost UnitCost // @param unitCost UnitCost







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.

```
aste
      Mauthor
                (your name)
      @version (a version number or a date)
10
    */
11
   public class TestData
12
13
       /**
14
         * Default constructor for test class TestData
15
         */
       public TestData()
19
        /**
         * Sets up the test fixture.
22
        * Called before every test case method.
24
         */
       @Before
       public void setUp()
28
29
        /**
31
         * Tears down the test fixture.
32
        * Called after every test case method.
         */
35
        @After
36
       public void tearDown()
39
```





## 🐗 TestData Class Edit Tools Options Compile Undo Cut Copy Paste Find... Close \* @version (a version number or a date) 12 \*/ 13 public class TestData 14 15 private Product product1; 16 private Product product2; 17 private Product product3; 18 private Store store1; 19 20 /\*\* 21 \* Default constructor for test class TestData 22 \*/ 23 public TestData() 24 25 26 27 /\*\* 28 \* Sets up the test fixture. 29 30 \* Called before every test case method. 31 \*/ 32 **@Before** 33 public void setUp() 34 35 product1 = new Product("38 Inch TV", 1000, 345.99); 36 product2 = new Product("40 Inch TV", 1001, 399.99); 37 product3 = new Product("42 Inch TV", 1002, 499.99); 38 store1 = new Store("Waterford"); 39 store1.add(product1); 40 store1.add(product2); 41 store1.add(product3); 42 43

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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