

```
ImmutableDispenser.java x ImmutableDispenserTest.java x
1 package pt.ipbeja.po2.model;
2
3 public class ImmutableDispenser {
4
5     final private int productPrice;
6     final private int insertedMoney;
7
8     public ImmutableDispenser(int productPrice) {
9         this(productPrice, insertedMoney: 0);
10    }
11
12    public ImmutableDispenser(int productPrice, int insertedMoney) {
13        this.productPrice = productPrice;
14        this.insertedMoney = insertedMoney;
15    }
16
17    public ImmutableDispenser insertCoin(int coin)
18    {
19        int insertedMoney = this.insertedMoney + coin;
20        ImmutableDispenser newDispenserWithMoney =
21            new ImmutableDispenser(this.productPrice, insertedMoney);
22
23        return newDispenserWithMoney;
24    }
25
26    public int getInsertedMoney() { return this.insertedMoney; }
27
```

ImmutableDispenser > ImmutableDispenser()

```
ImmutableDispenserTest.java x
1 package pt.ipbeja.po2.model;
2
3 import org.junit.jupiter.api.Test;
4
5 import static org.junit.jupiter.api.Assertions.*;
6
7 class ImmutableDispenserTest {
8     @Test
9     void insertCoinTest() {
10
11         ImmutableDispenser dispenser = new ImmutableDispenser( productPrice: 50);
12
13         ImmutableDispenser dispenserWithMoney20 = dispenser.insertCoin(20);
14         assertEquals( expected: 20, dispenserWithMoney20.getInsertedMoney());
15
16         ImmutableDispenser dispenserWithMoney70 = dispenserWithMoney20.insertCoin(50);
17         assertEquals( expected: 70, dispenserWithMoney70.getInsertedMoney());
18     }
19 }
20
```

ImmutableDispenserTest > insertCoinTest()