```
= new ShoppingCart();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              = new ShoppingCart();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ShoppingCart shoppingCart = new ShoppingCart();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        assertEquals(1, shoppingCart.qetItemCount());
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               shoppingCart.add(new Wine("Test", 5.0, 1.0));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  assertEquals(1, shoppingCart.getItemCount());
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   shoppingCart.add(new Medicine("Test", 5.0));
                                                                                                                                                                                                                                                                       9 import static org.junit.jupiter.api.Assertions.*;
                                                                                                                                                                                                                                                                                                                                                                                                                                             public void medicineCanBeAddedToCart() {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     public void shouldReportFinalPrice() {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           public void wineCanBeAddedToCart()
                                                                                                                                                                                                     import org.junit.jupiter.api.Test;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ShoppingCart shoppingCart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ShoppingCart shoppingCart
                                                                                                                                                                                                                                                                                                                                          11 class ShoppingCartTest
                                                                                                 4 import ashop. Medicine;
                                                                                                                                    import ashop.Product;
                                                                                                                                                            6 import ashop.Wine;
                                                               3 import ashop. Item;
1 package acart;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @Test
                                                                                                                                                                                                                                                                                                                                                                                                               @Test
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            @Test
                                                                                                                              2
                                                                                                                                                                                               7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16
```

```
assertEquals(11.2, shoppingCart.getTotalPrice(), 0.01);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   class TestDiscountStrategy implements DiscountStrategy
shoppingCart.add(new Medicine("Ibuprofen", 1.0));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 public TestProduct(String name, double basePrice)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       assertEquals(0.5, shoppingCart.getTotalPrice());
                                        shoppingCart.add(new Medicine("Aspirin", 2.0));
                                                                                        shoppingCart.add(new Wine("Voruta", 5.0, 1.0));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              public double applyDiscount(double totalPrice)
                                                                                                                                                                                                                                                                                                                                                                                                                                    ShoppingCart shoppingCart = new ShoppingCart(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          shoppingCart.add(new TestProduct("", 0.0));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                new TestDiscountStrategy()
                                                                                                                                                                                                                                                                                                                                                                                 public void shouldApplyDiscount() {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       public double getTotalPrice()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      class TestProduct extends Item {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             return totalPrice * 0.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                super(name, basePrice);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        return 1;
                                                                                                                                                                                                                                                                                                                                    @Test
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61
```