```
var customer= {Id:"", couponStatus:"default", payable:0, ...};
 1
     var coupon= {Id:"", expired:false...}
 2
 3
     var availItems= {{name:"", price:0, count:0},...}
     var selItem= {name:"", price:0, quantity:0};
 4
 5
 6
     $document.ready(function() {
 7
     availItems=getItemsFromServer(url);
 8
     coupon= getCouponFromServer(url + customer.Id);
 9
     $(".merchandise").click(addToCart);
 10
     $("#shopCart").click(viewCart);
 11
 12
     });
 13
 14
     function addToCart() {
 15
     var coupElem= $("#couponButt");
     selItem= getItemInfo($(this));
 -16
 17
     for(var i=0; i<availItems.length; i++){</pre>
 18
     if(availItems[i].name == selItem.name)
       19
 20
21
     var price= selItem.price * selItem.quantity;
 - 22
     if(!coupon.expired){
      coupElem.removeClass(customer.couponStatus);
 23
 24
      customer.couponStatus= coupon.Id + '-' + 'used';
      price -= coupElem.data('value');
_25
      coupElem.addClass(customer.couponStatus);
 26
 27
      coupon.expired=true;
 28
     }
29
     customer.payable += price;
 30 }
 31
     function viewCart(){
 32
 33
     if($("#couponButt").attr("class") == 'default' && customer.payable==0)
 34
      showMsg('Shopping cart is empty');
 35
 36
      $("div.shopContainer").append("" + "Total purchase is: $" +
 37
      customer.payable +"");
 38
                                    (a)
    @Test
 1
 2
    public void testCase1(){
     Select quantity = new Select(driver.findElement(By.
 3
      id("quantityDropDown")));
      quantity.selectByIndex(1);
 4
 5
     WebElement item = driver.findElements(By.css("merchandise"));
      item.click();
 6
 7
     WebElement cart = driver.findElements(By.id("shopCart"));
 8
      cart.click();
 9
      String expectedMsg = "Total purchase is: $70";
 10
     String msg=driver.findElements(By.cssSelector
      ("div.shopContainer")).getText();
      assertEquals(msg, expectedMsg);
 11
 12 }
                                    (b)
```