```
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
     function addToCart() {
 14
 15
      var coupElem= $("#couponButt");
      selItem= getItemInfo($(this));
 -16
      for(var i=0; i<availItems.length; i++){</pre>
 17
 18
      if(availItems[i].name == selItem.name)
       19
 20
      var price= selItem.price * selItem.quantity;
>21
 - 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
       coupon.expired=true;
 27
 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)
```