

CSE 1010 Ideas and Impact of Computing
Homework 3
Due 11am, Fri, Oct 17, 2014
Submit Server: Class = cse1010 ; Assignment = hw3

Template Java file: cs.fit.edu/~pkc/classes/iComputing/HW3.java

The goal of this assignment is to solve problems that involve flow control with branching and repetition. We would like to design an online store myTablets.com that allows users to order products.

The store sells 4 different tablets (see the sample dialog). Sales tax of 6% is charged on all products. The shipping charge for each tablet is \$10. If a customer orders at least \$300 (excluding sales tax), shipping is free. When the customer exits, an invoice is displayed (see the sample dialog) if the customer orders at least one product, otherwise, no invoice is displayed.

```
----- Sample Dialog -----  
  
Welcome to myTablets.com  
  
1. Amazon Kindle Fire 8GB ($159.00)  
2. Apple iPad mini 16GB ($329.00)  
3. Google Nexus 7 16GB ($199.00)  
4. Samsung Galaxy 7-inch 8GB ($199.00)  
  
Please add a product (1-4, 0 to exit): 1  
Please add quantity (0 to cancel): 2  
  
Shopping cart:  
Amazon Kindle Fire 8GB: 2  
  
-----  
  
Welcome to myTablets.com  
  
1. Amazon Kindle Fire 8GB ($159.00)  
2. Apple iPad mini 16GB ($329.00)  
3. Google Nexus 7 16GB ($199.00)  
4. Samsung Galaxy 7-inch 8GB ($199.00)  
  
Please add a product (1-4, 0 to exit): 3  
Please add quantity (0 to cancel): 1  
  
Shopping cart:  
Amazon Kindle Fire 8GB: 2  
Google Nexus 7 16GB: 1  
  
-----  
  
Welcome to myTablets.com  
  
1. Amazon Kindle Fire 8GB ($159.00)  
2. Apple iPad mini 16GB ($329.00)  
3. Google Nexus 7 16GB ($199.00)  
4. Samsung Galaxy 7-inch 8GB ($199.00)  
  
Please add a product (1-4, 0 to exit): 0  
  
Shopping cart:  
Amazon Kindle Fire 8GB: 2  
Google Nexus 7 16GB: 1  
  
=====Invoice=====  
Subtotal:    517.00  
Tax:        31.02  
Shipping:    0.00  
-----  
Total:      548.02  
  
Thank you for shopping at myTablets.com!
```