Program 1

Due Jan 29 by 11:59pm **Points** 100 **Submitting** a file upload
Available Jan 23 at 8am - Feb 5 at 12:59pm

This assignment was locked Feb 5 at 12:59pm.

The first submission due date for this assignment is January 29 by midnight (Eastern time).

The following pseudocode describes how a bookstore computes the price of an order from the total price and the number of the books that were ordered.

1.
    1. *Read the total book price and the number of books.*
    2. *Compute the tax (7.5 percent of the total book price).*
    3. *Compute the shipping charge ($2 per book).*
    4. *The price of the order is the sum of the total book price, the tax, and the shipping charge.*
    5. *Print the total price of the books, the amount of tax, the amount for shipping, and the total amount due for the order.*

Translate this pseudocode into a Java program. Before writing this program you should have reviewed all week 3 material including the readings, sample programs, and discussion board entries. In particular, you need to understand how to do arithmetic, how to use *printf* statements to format output, how to declare numeric variables and constants, and how to read values for those variables using a *Scanner*. The techniques you need to complete this assignment are illustrated in the sample programs and readings. When you have questions, please refer to these first. You will most likely find your answer there. If you have a question that is not illustrated in the sample programs, please post your question in the week 2 discussion board.

Example run of the program:

```
run:
Total price of books: 235.56
Number of books: 7

Total price:    $235.56
Tax:             $17.67
Shipping:        $14.00
Amount due:     $267.23
BUILD SUCCESSFUL (total time: 15 seconds)
|
```

Sample run video (1:17)

How to Submit Your Assignment

To submit your program, on your computer, find the Netbeans project folder for the program and zip (compress) the program folder. You need to submit the whole folder, not just the Java source code. Click the *Submit Assignment button*. In the *File Upload* tab, click the *Choose a File* button. Find your zipped folder and click it. Then click the *Submit Assignment* button. Check the verification message to be sure you submitted your assignment.

video instructions for submitting programs. (2:15)

You can resubmit a program if you make changes to your original submission. Just repeat the submission process again. I only grade the latest submission.