

IST 209 Assignment #1

21 March 2008

Simple user input and calculation

You must upload the Java source file through the class' web server at siu.globaleyes.com prior to midnight on 21 Mar.

You are to write a Java application which calculates and displays the cost of an item purchased from a store application. You are to ask the user for the following information:

1. The name of the item purchased
2. The price of the item purchased (between \$.01 and \$99,999.99)
3. The quantity of the item purchased (between 1 and 1000 units)

You will need to calculate the taxes and print the following data:

- Information about what was purchased (including the item name, price, and quantity)
- Subtotal (price * quantity)
- Taxes (tax rate of 0.0725%)
- Total (subtotal + taxes).

Make sure that you use the appropriate data types and constants when appropriate for storing the information used by your program and that it is syntactically and stylistically correct (including identifier names, indentation, blank lines, and comments).

You may use whichever method was discussed in class for collecting and printing the appropriate information.

Your assignment will be graded along 3 primary facets:

Category	Criterion	Value
1. Correctness	Does it compile and produce the correct results	75 points
2. Style	Comments, use of whitespace, variable and method names	15 points
3. Robustness	Is the code reusable? Does the code use the language constructs effectively? Is the code efficient?	10 points

Note: If the program you submit has syntax errors, you can receive at most a grade of 60 on any assignment.