Debug A

Download debugA.cpp

Download the .cpp file attached above. Please read through the file and notice that there are "student" comments documenting what they think should happen and what actually happened.

Your job is to fix the student's code and submit using Code Assessor

Lab A

Problem

The traditional "Hello World" tutorial program is quite bland, especially for UT college students. In this lab, you will be writing an actual program that assists cashiers on giving a customer correct change.

Inputs

In this lab, you will need to ask the user for the cost of the item and then the amount of money that the customer gave the cashier. Use the following prompts EXACTLY and in-order (cost first, money second):

Enter cost $

Enter money $

Do not put a space or newline after your prompt, we want the cashier to be able to type to the right of the prompt.

Process

You will simply calculate the amount of change that the user needs based on how much money they gave the cashier and how much the item was. For example, if the user gave $10.00 and the item was $7.00, then you need to determine how much change the cashier needs to give back to the customer. In this case, that would be $3.00.

Outputs

Output the value using the following prompt:

Change = $

For example, if the item cost was $11.50 and the customer gave $20.00, then the output would be:

Change = $8.5

Do not worry about ouputting two decimal points ($8.50). This will be taught later.

C++ Topics Covered

Input / Output (cin/cout)
Using doubles (floating point arithmetic)
Simple arithmetic

Textbook Chapters Covered

Chapter 1
Chapter 2.1
Chapter 2.2
Chapter 2.3

Relevant Reading

Basics
Overview