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| ***Computer Science 1081 -*  ASSIGNMENT #01** | | |
| **Program** | Description | **Execution Listing** |
|  | Enter Program 1-1 on page 9 of the textbook (also shown below). Program input/output and test values should appear as shown to the right. Paste source code and execution listing into the homework template. | *How many hours did you work? 10*  *How much do you get paid per hour? 8.50*  *You have earned $85*  *Press any key to continue . . .* |
|  | Write a program that will ask the user to enter their maximum credit and credit already used. The program should then calculate their total remaining credit. Use the source code shown below. Add instructions as necessary without modifying existing code. Program input/output and test values should appear as shown to the right. Paste source code and execution listing into the homework template. Hint: Examine the previous program. | *What is your maximum credit? 1000*  *How much credit have you already used? 500*  *Your remaining credit is $ 500*  *Press any key to continue . . .* |
|  | Write a program that will calculate the total for a retail sale. The program should ask the user for the retail price of the item being purchased and the sales tax rate. Once these items have been entered, the program should calculate and display the sales tax for the purchase and the total of the sale. Program input/output and test values should appear as shown to the right. Paste source code and execution listing into the homework template. Hint: Copy and modify the previous programs! A good variable definition statement would be:  double price, taxRate, salesTax, total; | *Please enter the retail price: 10*  *Please enter the tax rate: .06*  *The sales tax is: $0.6*  *The total price is $: 10.6*  *Press any key to continue . . .* |

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| **Notes** |
| 1. In the execution listing, numeric values don’t have to appear exactly as shown above. For example, $44.50 is OK instead of $44.5. 2. Make sure that you use good programming style and documentation. 3. Unless instructed otherwise, always use the test data described in the problem. 4. Copy and paste your execution and code listings into the *Homework Template* document. Please ensure that:    * Problems are in the order listed on the assignment sheet (I.E. Program #1 first, Program #2 second, etc.)    * The execution listing corresponds with the code listing. In other words, the code listing will produce the execution listing. If it does not, no credit will be received for that problem. 5. The work you submit must be your own. Please note that any of the following actions are considered cheating:    * Electronically copying or inserting any code that you did not create.    * Manually copying or inserting any code that you did not create. |