CSE 1321 Fall 2019 – Pseudocode Submission Template

Step 1: Read the Problem-Solving Guide thoroughly. First, you have to understand the process. You must use this method to write the pseudocode for assignment 1 - pseudocode.

Step 2: Complete pseudocode part of your assignments based on the guide, use the following template to write your answers:

**Problem Statement:**

You’re McAwesome™! Imagine a certain McHamberger® place asks for your McHelp©. They are piloting a new meal called the “McGrease®™ Meal” that contains a hamburger, French fries and a drink. They want you to calculate how much profit they are going to make during this campaign. Your task is to write a pseudocode program that asks the user for 1) the cost of the meal, 2) the amount the meal will sell for, 3) the number they predict they will sell and 4) the tax rate of the state. You should then calculate how much profit McHamberger® Inc. will make after paying tax.

**Solution Plan:**

1. CREATE float variables “cost”, “sell”, “quantity”, “tax” to be used to store user input

2. PRINT "Enter the cost to make the meal: "

3. READ value from user and store in “cost” variable

4. PRINT "Enter how much you will sell the meal for: "

5. READ value from user and store in “sell” variable

6. PRINT "Enter how many you think you will sell: "

7. READ value from user and store in “quantity” variable

8. PRINT “Enter the tax rate for the state: "

9. READ value from user and store in “tax” variable

10. CREATE float variable “total” to store calculation on line 11

11. STORE (sell - cost) \* quantity \* (1 - tax) in “total”

12. PRINT "This campaign will make $" + total

**Execution:**

1. Create variables to store user input

2. Ask user for cost, sell, quantity, tax and store into respective variables  
3. Calculate (sell - cost) \* quantity \* (1 - tax) and store in new variable total

4. Display the results (total)

**Evaluation:**

The program works as expected but problems may occur if values are not a number.

Step 3: Complete the evaluation below:

Q1: Did the pseudocode exercise help you to understand the requirements and solve the problem faster?

* Yes
* No
* Other

Q2: What did you like about this pseudocode guide and the iterative method of solving problems?

Your Response: I learn more about computer science principles.

Q3: What can be improved about this pseudocode guide?

Your response: More documentation on pseudocode writing.