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:**

Assume that the McHamberger™ place from above found out that the McGrease® meal caused excessive weight gain. In order to help their reputation, they are now offering a program that determines how much weight a person can gain or lose in a given amount of time. Assume that the average person can eat 2,500 calories per day without gaining or losing weight. Your task is to write a program that asks the user for the number of calories they plan on eating per day as well as the number of days they will do that. It then displays the total weight the user will gain or lose. Note: there are 3,600 calories in one pound. Of course, legally, consult your physician about any dietary changes you may be considering 😊

**Solution Plan:**

1. CREATE int variables “cal”, “days” to be used to store user input

2. PRINT "Enter the number of calories you will consume per day: "

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

4. PRINT "Enter the number of days you will eat this much: "

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

6. CREATE float variable “change” to store calculation on line 7

7. STORE (cal - 2500) / 3600 \* days in “change”

8. PRINT "Weight change is “ + change + " lbs"

**Execution:**

1. Create variables to store user input

2. Ask user for calories and days and store into respective variables  
3. Calculate (cal - 2500) / 3600 \* days and store in new variable change

4. Display the results (change)

**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.