CSE 1321 Spring 2019 – Assignment 1 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 Assignment 1 - pseudocode based on the guide, use the following template to write your answers:

The problem:

Problem 5 - Write a pseudocode algorithm to add the prices of an order of fries, a burger, and a drink, calculate the tax (assume 10%), and tell the customer their total. Use the prices shown below for each menu item.

Initial Plan:

Create variables to hold prices then add up subtotal, multiply by tax then add tax to subtotal, print variable values in organised manner.

Execution and Evaluation:

BEGIN MAIN

burger ← 6
fry ← 3
dink ← 1
order ← burger + fry + dink
tax ← order * .1
total ← order + tax

PRINT "Burger:", burger \n,
 "Fries:", fry \n),
 "Drink:", dink \n,
 "Tax:", tax \n,
 "Total:", total
END MAIN

Revised Plan: Same?

```
BEGIN MAIN

burger ← 6
fry ← 3
dink ← 1
order ← burger + fry + dink
tax ← order * .1
total ← order + tax

PRINT "Burger:", burger \n,
 "Fries:", fry \n),
 "Drink:", dink \n,
 "Tax:", tax \n,
 "Total:", total
END MAIN
```

Step 3: Complete the evaluation below:

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

- o   Yes
- o   No
- o   Other

Q2: Do you think that you could have fewer challenges with the assignments if this guide was introduced to you at the beginning of the semester?

- o   Yes
- o   No
- o   Other

Q3: What did you like about this pseudocode guide and the iterative method of solving problems?

Your Response:

Q4: What can be improved about this pseudocode guide?

Your response: