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?

**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 |

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: 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?

* Yes
* No
* 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: