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 2 - Write pseudocode that will add all the even numbers from 0 up to a user defined stopping point (inclusive if even). Output the stopping point, and the sum of all even numbers up to the stopping point (inclusive if even).**

**Initial Plan:**

Divide user input by two to determine if the number is even, if so, then use formula to find sum of all numbers in between. if not subtract user input by one and then put into formula.

**Execution and Evaluation:**

```
BEGIN MAIN

PRINT “Please enter a number”
READ userIn
IF userIn %2 == 0 THEN
sum ← ((userIn / 2) /2) * (2 + userIn)
ELSE
sum ← (((userIn - 1) /2) /2) * (2 + userIn)
ENDIF
PRINT “The sum of all evens is:”, sum


END MAIN
```

**Revised Plan:**

**Execution and Evaluation:**

```
BEGIN MAIN

PRINT “Please enter a number”
READ userIn
IF userIn %2 == 0 THEN
sum ← ((userIn / 2) /2) * (2 + userIn)
ELSE
sum ← (((userIn - 1) /2) /2) * (2 + userIn)
ENDIF
PRINT “The sum of all evens is:”, sum


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: