

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 4 - Write a pseudocode algorithm that performs the following task: Ask a user to enter a number. If the number is between 0 and 10, exclusively, write the word "Blue". If the number is between 10 and 20, exclusively, write the word "Red". If the number is between 20 and 30, exclusively, write the word "Green". If it is any other number, write the message "This is not a correct color option".

Initial Plan:

Use IF and ELIF statements to compare numbers.

Execution and Evaluation:

I don't have the old code because I didn't know we had to use this template until after I had completed it.

Revised Plan:

Use CASE

Execution and Evaluation:

BEGIN MAIN

PRINT "Please enter a number between 1-30"

READ userInput

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CASE unseInput of
0 <= userInput >= 10 : PRINT "Your color is Blue!!"
BREAK
10 < userInput >= 20 : PRINT "Your color is Red!!"
BREAK
20 < userInput >= 30 : PRINT "Your color is Green!!"
BREAK
30 < userInput : PRINT "Your number is too high, please try again."
BREAK
OTHERS: PRINT "You did not enter a number, please try again."
ENDCASE

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: