Reflective Writing Prompt and Reply Exercise for Chapter 5

Reflect and Analyze Online Video Lecture on Loops in C++ (for loops, while loops)

Disclaimer: It is required that you reply to this discussion, or your grade will suffer tremendously.

Directions: Watch the online video: Loops in C++ (for loops, while loops).

Reflect on the video contents, and then analyze how the contents of the video help increase your understanding of how loops are used in C++.

You will then write reflectively to me, as you answer the formative learning activity written prompt below.

Submit the following, as a reply to this discussion:

- One response written in plain English, to serve as an evaluation of the video.
- Students must write at least two paragraphs, and answer all of the questions pertaining to this assignment.
- Analysis and personal reflection must be written in English. Do not use the C++ programming language for the entire assignment.
- You can use small tidbits of the C++ programming language, but do not submit extensive code for this assignment.

Grading

I will grade the following:

- Your plain English reflective analysis of the video.
- Your response to the questions related to the video. The questions require deep analysis and deep reflection to be able to answer them. Watch the video carefully, and then try to answer the questions.
- Post your response to this discussion as a reply.

Grading will be done according to the rubric:

- You wrote two paragraphs in your response. The two paragraphs consist of 10 sentences or more.
- Each response must be uniquely created by you, and cannot be copied word-for-word, from another classmate.
- You used correct English language grammar, and all rules for the English language were followed.
- You did not use any slang terminology, or "Internet speak" in your response.
- You used C++ programming syntax correctly, and there are no glaring errors in any code that you used to explain an idea.
- You wrote a thoughtful response using meaningful language, and complete sentences.

- You used correct Computer Science and Software Engineering terminology in your response.
- Your main idea is explicitly stated, and supporting sentences are used.
- You answered the main hypothetical question using a meaningful response.
- Learning Objectives supported by this activity are #1, #2, and #3.

Formative Learning Activity Written Prompt to Answer

Turn-in the Following

- Your reply to questions listed below, and your reply to the Hypothetical Question.

Read the Entire Assignment Thoroughly Before Starting

- This will ensure that you understand what must be done, in order to complete this assignment.

Hypothetical Question

Would you prefer to not have loops at your disposal to solve a programming problem?

Question Background

Dear Students,

Loops allow us to accomplish a lot, in relation to other concepts found in a programming language. Many problems in the real world, can be solved with loops. If you had no choice, and could not use loops in your future programming problems, would you be able to perform effectively as a programmer, to then solve as many Computer Science problems as possible? Why? Why not?

Some Questions to Help You

- Why do loops perform better than simply repeating the same code several times?
- What abilities do loops possess, that allows them to be better suited than just repeating code to achieve certain programming tasks?
- Loops can also be a hindrance to effective programming because they create overhead to perform their operations in some cases. Would you try to create an efficient looping structure or not worry about overhead at all in your programming tasks?