

## **Collaborative Discussion - Student Generated Programming Prompts & Implemented Responses**

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

### **Background**

- For this activity, you will create your own plain English programming prompts to help your classmates facilitate the identification of the common array operations.

### **Requirements**

You will be required to write a 2-paragraph programming prompt. Each paragraph will consist of 5 or more sentences. You will share the prompt with the other students in the discussion section of the assignment. You will then choose a different programming prompt, to then implement it as a coded response in C++. The written prompt that you create must be unique to you, and your own creation. Then, other students will implement your written prompt in code, using the C++ programming language. Important: you must implement a C++ coded response to a different prompt from the one that you created. Finally, you will provide a plain English evaluation of the programming prompt that you chose to implement. This evaluation will serve as a direct communication from you, to another student, to explain to them how you feel about their written plain English prompt, after you decided to implement it in C++.

### **Directions**

Start on this assignment as soon as possible. Claim your programming prompt to implement by making a post as a reply, and saying, "**I will implement this program in C++.**" Once you see that a student has claimed a prompt, to then implement in C++, you must find another plain English prompt to implement, and evaluate.

### **Goal**

This activity will create meaningful interaction between students because it will allow them to engage with each other by exchanging work, and ideas to identify common array operations. Students will also be required to evaluate the plain English written prompt that they implement using the C++ programming language.

### **Submission Details**

Students will submit the following as a reply to this discussion:

- A 2-paragraph, plain English language programming prompt.
- A C++ implementation response to the any plain English language programming prompt that is not your own.
- An evaluation of the plain English language programming prompt you implemented in C++.
- Attach your '.ccp' files to the plain, English programming prompt that you implement.

## **Grading**

I will grade the following:

- Your plain English 2-paragraph programming prompt.
- Your C++ implementation response to the programming prompt you chose.
- Your plain English evaluation of the plain English programming prompt you chose.
- Grading will be done according to the rubric:
- You will evaluate a written prompt created by your peers for correct grammar and punctuation.
- Your written prompt is easy to implement in C++ by using correct programming concepts, terminology, and syntax.
- You did not use slang terminology, or "Internet speak" in your response to me.
- Plain English written prompt created by you, uses at least two C++ functions, so that your classmates can implement the functions in C++.
- Plain English written prompt created by you, requires your classmates to use arrays, and their main operations correctly.
- Plain English prompt created by you is relatively easy to comprehend, and implement after analyzing the requirements of the prompt.
- You did not use confusing or complex terminology in the creation of the written prompt.
- No advanced programming concepts or C++ syntax from advanced courses is used by you in the written prompt.
- You only used the C++ programming language in the response. Other programming languages are not allowed.
- You have the correct file endings for C++, to indicate that the C++ programming language was used.
- Do not submit files that I do not ask for. Pay attention to this. You will understand this part when you code, compile, and run your C++ programs.

## **Learning Objectives**

- Learning Objectives supported by this activity are #1, #2, #3, #4, and #5.