**CS1021 Final Project Summary**

**INSTRUCTIONS:** Type out your answer directly below each question. If a question does not apply to your project, type in N/A. When finished, save this file as a PDF and upload it to the Blackboard.

**BASICS**

**Your group members?**

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**What is the topic of your final project?**

To increment, add a number, or subtract a number from each element in the array.

**Who is the intended audience?**

The user.

**Provide a brief summary of the functionalities of your project.**

The c code first asks the user how any elements do you want in the array. Then it asks the user to add the elements using a for loop. Then a menu pops that has multiple choices for the user. The first choice prints the array the user inserted before. The second choice increments each element in the array. The third choice asks the user how much does he want to add to each element in the array, and then it calls a function that adds that specific number to each element in the array. The fourth choice asks the user how much does he want to subtract from each element in the array, and then it calls a function that subtracts that specific number to each element in the array. The fifth choice exits the program. And if the user chose a number that’s not from the 1 to 5, a questions pops asking if the user wants to go back to the menu or to exit the program.

**High-Level Language Specs**

**How many functions are there in the high-level language?**

3 C functions

**List the names of the functions along with their signatures (including return type and parameter details)**

Void c\_inc(int array[], int arraySize)

Void c\_add(int array[], int arraySize , int number)

Void c\_sub(int array[], int arraySize , int number)

**Describe the functionality of each function in brief. Make sure you use language that is easy to understand for non-technical people.**

**Void c\_inc(int array[], int arraySize)**

This function increments each element in the array.

**Void c\_add(int array[], int arraySize , int number)**

This function adds a number chosen by the user to each element in the array.

**Void c\_sub(int array[], int arraySize , int number)**

This function subtracts a number chosen by the user from each element in the array.

**Assembly Language Specs**

**How many files did you create for your Assembly Language code?**

One file

**List the functions present in assembly language and describe the functionality of each in brief.**

inc

add

sub

**MISC**

**Which operating system, assembler version and compiler version did you work with in your project? List the versions corresponding to each only.**

**Did you face any problems in assembling and/or compiling your projects?**

We had a few problems when writing the c code, because it was a new language in the syntax was a bit different than c++.

**Provide any other information that you think the grader/instructor should know when grading your final project below.**

**Include screenshots of the working of the project below.**