String Input Console Application

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CSC 450: Programming III

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CTA 2 Main Program Code

```cpp
#include<iostream>
#include<string>

//Standard namespace declaration
using namespace std;

//Main Function
int main() {

    string firstString = "";
    string secondString = "";
    string combinedString = "";

    //Since the assingment asked for this to be done 3 times, the for loop will run 3 times.
    for (int i = 0; i < 3; i++) {
        //Label for what loop we are on...
        cout << "Loop: " << (i + 1) << endl;

        //Asking the user to input their first of two strings and reading it from the console line...
        cout << "\nEnter your first string: " << endl;
        getline(cin, firstString);

        //Asking the user to input their second of two strings and reading it from the console line...
        cout << "\nEnter your second string: " << endl;
        getline(cin, secondString);

        //combine the strings!
        combinedString = firstString + secondString;

        //Display the string we just made:
        cout << "\nConcatenated string: " << combinedString << endl;
    }


    // Wait For Output Screen
    std::cin.get();

    //Main Function return Statement
    return 0;
}
```
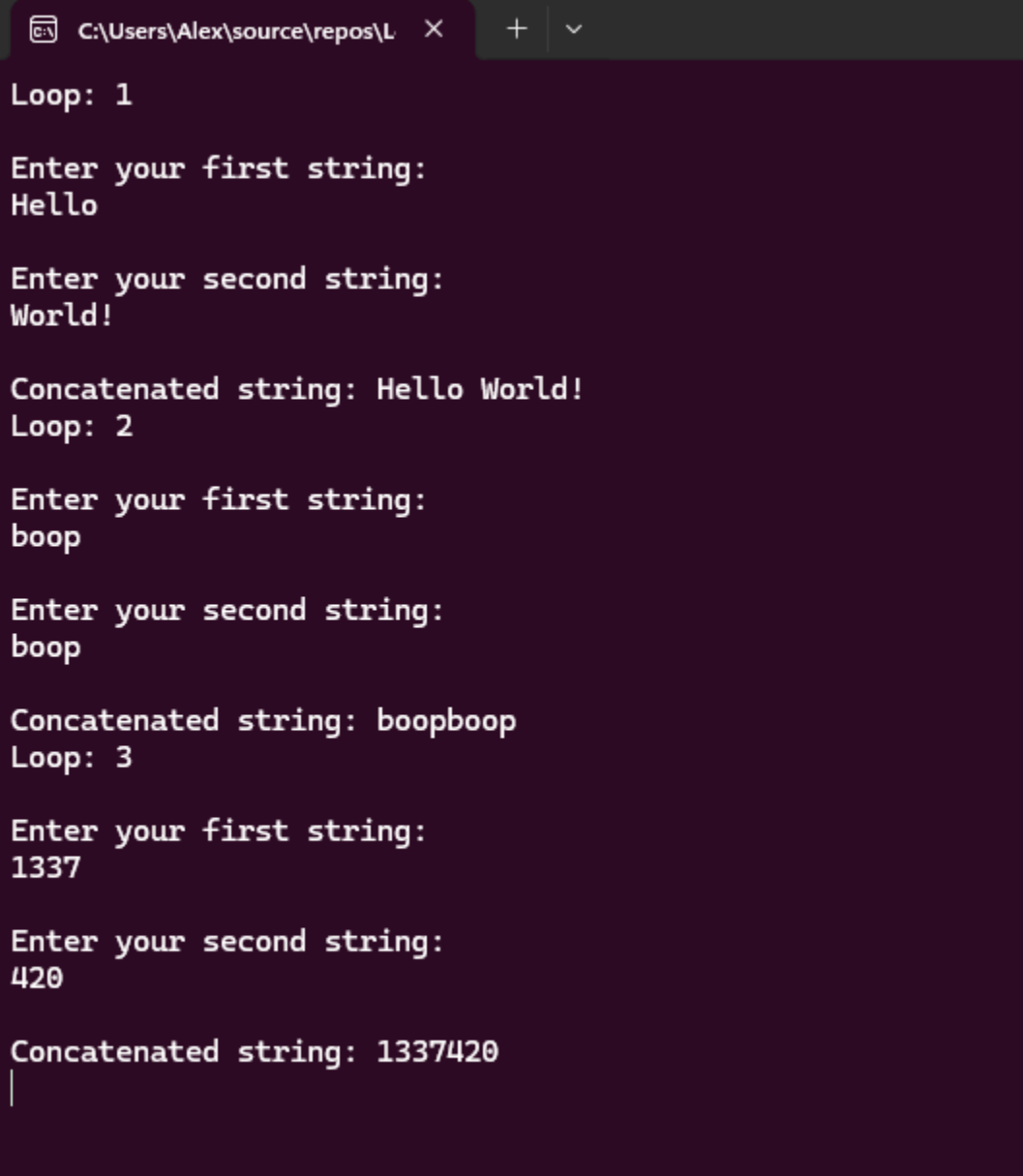
CTA 2 Main Program Pseudocode

```
FUNCTION Main() {

    //Defining some string variables for use in the program
    DEFINE String called 'firstString' equal to ""
    DEFINE String called 'secondString' equal to ""
    DEFINE String called 'combinedString' equal to ""

    //A for loop that runs 3 times, per assignement instructions.
    FOR (i = 0; i < 3; i++){
        //Just a header to display what loop we are on in the console.
        PRINT("Loop #")

        //Asking the user to input their first of two strings and reading it from the console line...
        PRINT("Enter your first string")
        set 'firstString' equal to USERINPUT

        //Asking the user to input their second of two strings and reading it from the console line...
        PRINT("Enter your second string")
        set 'secondString' equal to USERINPUT

        //Combine the two strings and then print the result.
        set 'combinedString' equal to 'firstString' PLUS 'secondString'
        PRINT(combinedString)
    }

    //Wait for some input here as to not immediately close console when final output is show.
}
```

Main Program Output Console Screenshot
(On Next Page)

Main Program Output Console Screenshot


```
C:\Users\Alex\source\repos\L    ×    +    ∨

Loop: 1

Enter your first string:
Hello

Enter your second string:
World!

Concatenated string: Hello World!
Loop: 2

Enter your first string:
boop

Enter your second string:
boop

Concatenated string: boopboop
Loop: 3

Enter your first string:
1337

Enter your second string:
420

Concatenated string: 1337420
```

Github Link
https://github.com/Alpentater/CSC450_Workspace/tree/main/CTA2