**CTA 2 String of C++**

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# **Pseudocode for String Cpp:**

Function isSafeInput(input: string) -> boolean

Define a regular expression pattern to match alphanumeric characters and spaces

Return whether input matches the pattern

Function main()

Initialize a loop with i from 0 to 2

Display "Iteration i + 1"

// Prompt for the first string

Display "Enter the first string: "

Read user input into firstString

// Validate the first input

While not isSafeInput(firstString)

Display "Invalid input. Please enter only alphanumeric characters."

Display "Enter the first string: "

Read user input into firstString

// Prompt for the second string

Display "Enter the second string: "

Read user input into secondString

// Validate the second input

While not isSafeInput(secondString)

Display "Invalid input. Please enter only alphanumeric characters."

Display "Enter the second string: "

Read user input into secondString

// Concatenate the two strings

Set concatenatedString to firstString + secondString

// Print the concatenated string

Display "Concatenated string: concatenatedString"

End loop

End function

# **Figures Section**

## **Figure 1.**

Execution of BasicCpp with no error entries.

A computer screen shot of a program

Description automatically generated

## **Figure 2**

CSC450\_CT1\_mod1-1 showing errors have been fixed

A screenshot of a computer program

Description automatically generated

## **Figure 3**

CSC450\_CT1\_mod1-2 fixed all errors for this program

A screenshot of a computer program

Description automatically generated

## **Figure 4**

Github Repo verification

A screenshot of a computer

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