**CTA 1 Basics of C++**

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# **Pseudocode for Basic Cpp:**

Procedure isInteger(str: String) -> Boolean

For each character c in str

If c is not a digit

Return false

End For

Return true

End Procedure

Main()

Declare firstName, lastName, streetAddress, city, zipCode as String

Declare validZip as Boolean

Display "Enter First Name: "

Read firstName

Display "Enter Last Name: "

Read lastName

Clear input buffer

Display "Enter Street Address: "

Read streetAddress

Display "Enter City: "

Read city

validZip = False

While not validZip

Display "Enter Zip Code (5 digits): "

Read zipCode

If Length of zipCode is equal to 5 and isInteger(zipCode) is True

Set validZip to True

Else

Display "Invalid ZIP code. Please enter 5 digits."

End If

End While

Display "Fictional Person Information:"

Display "First Name: " + firstName

Display "Last Name: " + lastName

Display "Street Address: " + streetAddress

Display "City: " + city

Display "Zip Code: " + zipCode

End Main

# **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

Description automatically generated