**Character, Alphabet, Digit Count**

//Declaration

DECLARE str1: String

DECLARE char1: Character

DECLARE thischar: Character

DECLARE i: Integer

DECLARE a: Integer

DECLARE charcount: Integer

DECLARE alphabetCount: Integer

DECLARE digitcount: Integer

DECLARE specialcount: Integer

//Initialization

str1 ← ""

char1 ← ‘’

thischar ← ‘’

i ← 0

a ← 0

charcount ← 0

alphabetCount ← 0

digitcount ← 0

specialcount ← 0

//Input Prompt

INPUT "Enter a String: “, str1

INPUT "Enter character to count in entered string: ", char1

//Processing Request

str1 ← LOWER(str1)

FOR i ← 1 TO LENGTH(str1)

thischar ← MID (str1, i, 1)

//Counting Total Alphabets String Entered

IF thischar >= "a" AND thischar <= "z"

THEN alphabetCount ← alphabetCount + 1

//Counting Total Digits in String Entered

ELSEIF thischar >= "0" AND thischar <= "9"

THEN digitcount ← digitcount + 1

//Counting Total Special Characters in String Entered

ELSE specialcount ← specialcount + 1

END IF

//Counting Specified Character

IF thischar ← char1

THEN charcount ← charcount + 1

END IF

NEXT

//Output Desired Results

OUTPUT "Total number of Alphabets entered are: " & \_

alphabetCount & " out of which " & charcount & \_

" are " & UCASE(char1))

OUTPUT "Total number of Digits entered are: " & digitcount)

OUTPUT "Total number of Special Characters entered \_

are: " & specialcount)