**CASE 4**

**PSEUDO CODE**

Declare str1 : String

Declare i : Integer

Declare char1 : Character

Declare x : Integer

Declare char2 : Character

Declare charcount : Integer

Declare repeated : Integer

Declare repeat : Character

str1 <-- ""

i <-- 0

char1 <-- ''

x <-- 0

char2 <-- ''

charcount <-- 0

repeated <-- 0

repeat <-- ''

INPUT "Enter String: ", str1

str1 = LCase(str1)

For i <-- 1 To Len(str1)

char1 <-- Mid(str1, i, 1)

For x <-- 1 To Len(str1)

char2 <-- Mid(str1, x, 1)

If char1 <-- char2 Then

charcount <-- charcount + 1

End If

If charcount > repeated Then

repeated <-- charcount

repeat = char1

End If

Next x

charcount = 0

Next i

OUTPUT "most repeated character: ", repeat

OUTPUT " number of times repeated: ", repeated - 1