**CASE 4**

**VISUAL BASIC**

Module Module1

Sub Main()

Dim str1 As String

Dim i As Integer

Dim char1 As Char

Dim x As Integer

Dim char2 As Char

Dim charcount As Integer

Dim repeated As Integer

Dim repeat As Char

str1 = ""

i = 0

char1 = ""

x = 0

char2 = ""

charcount = 0

repeated = 0

repeat = ""

Console.Write("Enter String: ")

str1 = Console.ReadLine

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

Console.WriteLine("most repeated character: " & repeat)

Console.WriteLine(" number of times repeated: " & repeated - 1)

Console.ReadKey()

End Sub

End Module