**CASE 3**

**Visual basic**

Module Module1

Sub Main()

Dim STR As String

Dim CHAR1, CHAR2 As Char

Dim X, COUNT, ACOUNT, NCOUNT, OTHER As Integer

STR = ""

CHAR1 = ""

CHAR2 = ""

X = 0

COUNT = 0

ACOUNT = 0

NCOUNT = 0

OTHER = 0

Console.Write("Enter a string: ")

STR = Console.ReadLine

STR = UCase(STR)

Console.Write("Enter a character you wish to count in the entered string: ")

CHAR1 = Console.ReadLine

CHAR1 = UCase(CHAR1)

For X = 1 To Len(STR)

CHAR2 = Mid(STR, X, 1)

If InStr(STR, CHAR2) = 0 Then

Console.WriteLine("This character is not present in the entered string")

ElseIf CHAR2 = CHAR1 Then

COUNT = COUNT + 1

End If

Next

Console.WriteLine("‘" & CHAR1 & "’" & "is present " & COUNT & " times in the string")

For X = 1 To Len(STR)

CHAR2 = Mid(STR, X, 1)

If CHAR2 >= "A" And CHAR2 <= "Z" Then

ACOUNT = ACOUNT + 1

ElseIf Asc(CHAR2) >= 48 And Asc(CHAR2) <= 57 Then

NCOUNT = NCOUNT + 1

Else : OTHER = OTHER + 1

End If

Next

Console.WriteLine("Total number of alphabets: " & ACOUNT)

Console.WriteLine("Total number of digits: " & NCOUNT)

Console.WriteLine("Total number of other characters: " & OTHER)

Console.ReadKey()

End Sub

End Module