**Problem 1：文章的字母統計及單字的分離**

選手請由輸入檔讀入一篇英文文章（文章內容包括「大、小寫英文」、「空白」及「標點符號」，沒有任何「全型」字母或符號），並作以下的統計：

子題1（9%）： 若不區別英文字母大小寫，請統計26 個英文字母A~Z在文章中出現的次數？（只統計英文字母，其他如空白、標點符號等皆不統計。）

輸入說明：

第1 行表示文章的行數（行數至多10 行，每行最多120 個字），第2 行開始為文章的內容。

輸出說明：

第1 行分別列出字母A、B、C、D、E 及其統計次數，第2 行列出字母F、G、H、I、J 及其統計次數，每行輸出5 個字母及統計，以此類推；但最後一行只列出字母Z 及其統計次數。英文字母以「大寫」輸出，每個字母及其統計次數印在1 組小括號中，並由逗號分隔。

輸入範例：【檔名：in-1-1.txt】

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Just ask a Chinese fruit farmer who now has to pay people to pollinate apple trees because there are nolonger enough bees to do the job. And it's not just the number of bees that are rapidly dwindling. As adirect result of human activity, species are becoming extinct at a rate 1,000 times greater than the naturalaverage.

輸出範例：【檔名：out-1-1.txt】

(A, 27) (B, 6) (C, 7) (D, 6) (E, 38)

(F, 4) (G, 6) (H, 11) (I, 14) (J, 3)

(K, 1) (L, 9) (M, 5) (N, 16) (O, 16)

(P, 8) (Q, 0) (R, 18) (S, 15) (T, 28)

(U, 9) (V, 2) (W, 3) (X, 1) (Y, 3)

(Z, 0)

程式碼：

Imports System.IO

Public Class Form1

Dim fr As New FileInfo("in-1-1.txt")

Dim fw As New FileInfo("out-1-1.txt")

Dim sw As StreamWriter = fw.CreateText

Dim ii, abc(25) As Integer

Dim ia As String

Private Sub Form1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

If fr.Exists = False Then

End

ElseIf fw.Exists = False Then

fw.Create()

End If

Dim sr As StreamReader = fr.OpenText

ii = sr.ReadLine

For i = 1 To ii '每行每行檢查

ia = Trim(sr.ReadLine)

For j = 1 To Len(ia) '判斷是大寫還小寫在計數

If Asc(Microsoft.VisualBasic.Mid(ia, j, 1)) >= 65 And Asc(Microsoft.VisualBasic.Mid(ia, j, 1)) <= 90 Then

abc(Asc(Microsoft.VisualBasic.Mid(ia, j, 1)) - 65) += 1

ElseIf Asc(Microsoft.VisualBasic.Mid(ia, j, 1)) >= 97 And Asc(Microsoft.VisualBasic.Mid(ia, j, 1)) <= 122 Then

abc(Asc(Microsoft.VisualBasic.Mid(ia, j, 1)) - 97) += 1

End If

Next

Next

For i = 0 To 25

sw.Write("(" & Chr(i + 65) & "," & abc(i) & ")" & " ")

If (i + 1) Mod 5 = 0 Then sw.WriteLine()

Next

sw.Flush() : sw.Close() : End

End Sub

End Class