**Problem4**：排序**(8%)**

給*n* 個數字，請把它們由大到小排序好。

輸入說明：

輸入檔含有多組測試資料，每組測試資料有兩行，第一行的數字*n* 為有幾個數字要排序，第二行則有*n* 個整數*n* ≤ 1000，而每個要排序數字的範圍為[-10000, 10000]間的整數。

輸出說明：

輸出已排序好的數列，每個數字之間用一個空白隔開。

輸入範例：

5

1 2 3 4 5

5

-5 -4 -3 -2 -1

輸出範例：

5 4 3 2 1

-1 -2 -3 -4 -5

程式碼：

Imports System.IO

Public Class Form1

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

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

Dim sw As StreamWriter = fw.CreateText

Dim ia, aa, bb As String

Dim nn(2), n As Integer

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

Do

ia = sr.ReadLine

If ia = "" Then Exit Do

ReDim nn(ia - 1)

ia = Trim(sr.ReadLine) & " "

n = 0

For i = 1 To Len(ia)

If (Asc(Microsoft.VisualBasic.Mid(ia, i, 1)) >= 48 And \_

Asc(Microsoft.VisualBasic.Mid(ia, i, 1)) <= 97) Or Microsoft.VisualBasic.Mid(ia, i, 1) = "-" Then

aa &= Microsoft.VisualBasic.Mid(ia, i, 1)

ElseIf Microsoft.VisualBasic.Mid(ia, i, 1) = " " Then

nn(n) = Val(aa) : n += 1 : aa = ""

End If

Next

Array.Sort(nn)

Array.Reverse(nn)

For i = 0 To n - 1

sw.Write(nn(i) & " ")

Next

sw.WriteLine()

Loop

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

End Sub

End Class