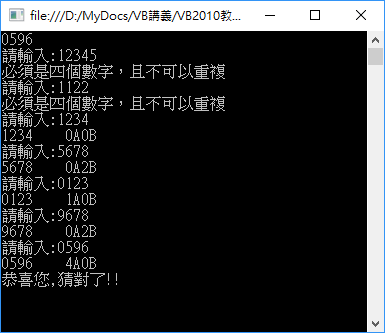
**猜數字遊戲VB2015版**



Module Module1

Dim a1, a2, a3, a4 As Integer '使用者輸入的猜測

Dim q1, q2, q3, q4 As Integer '存放答案

Sub Main()

Randomize()

Dim X As String

'產生題目,四個不重複的數字

q1 = Int(10 \* Rnd())

Do

q2 = Int(10 \* Rnd())

Loop While (q1 = q2)

Do

q3 = Int(10 \* Rnd())

Loop While (q3 = q1 Or q3 = q2)

Do

q4 = Int(10 \* Rnd())

Loop While (q4 = q1 Or q4 = q2 Or q4 = q3)

Console.WriteLine(q1 & q2 & q3 & q4) '顯示答案，測試程式時使用

'請使用者輸入直到答對

Do

Console.Write("請輸入:")

X = Trim(Console.ReadLine())

Loop Until CheckOK(X)

Console.WriteLine("恭喜您,猜對了!!")

Console.ReadLine()

End Sub

Function CheckOK(ByVal x As String)

Dim A, B As Integer

A = 0 : B = 0

a1 = Val(Mid(x, 1, 1))

a2 = Val(Mid(x, 2, 1))

a3 = Val(Mid(x, 3, 1))

a4 = Val(Mid(x, 4, 1))

If (a1 = a2 Or a1 = a3 Or a1 = a4 Or a2 = a3 Or a2 = a4 Or a3 = a4)

Or Len(x) <> 4 Then

Console.WriteLine("必須是四個數字，且不可以重複")

Else

Console.Write(x & vbTab) '先印出使用者的輸入

If a1 = q1 Then '檢查第一個數字

A = A + 1

Else

If (a1 = q2 Or a1 = q3 Or a1 = q4) Then B = B + 1

End If

If a2 = q2 Then '檢查第二個數字

A = A + 1

Else

If (a2 = q1 Or a2 = q3 Or a2 = q4) Then B = B + 1

End If

If a3 = q3 Then '檢查第三個數字

A = A + 1

Else

If (a3 = q2 Or a3 = q1 Or a3 = q4) Then B = B + 1

End If

If a4 = q4 Then '檢查第四個數字

A = A + 1

Else

If (a4 = q2 Or a4 = q3 Or a4 = q1) Then B = B + 1

End If

'印出檢查結果及回傳

Console.WriteLine(A & "A" & B & "B")

If A = 4 Then Return True Else Return False

End If

Return False

End Function

End Module