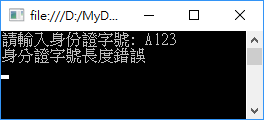
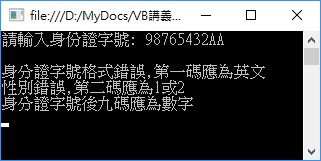
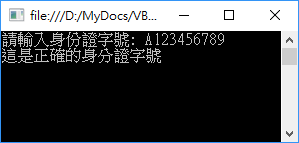
**身份證字號檢查**



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Module Module1

Sub Main()

Dim ID, ErrMsg As String

Dim alpha(26) As String

Dim N, N0, N1, Sum As Integer

ErrMsg = ""

'建立字母對照表

alpha(1) = "10" : alpha(14) = "22"

alpha(2) = "11" : alpha(15) = "35"

alpha(3) = "12" : alpha(16) = "23"

alpha(4) = "13" : alpha(17) = "24"

alpha(5) = "14" : alpha(18) = "25"

alpha(6) = "15" : alpha(19) = "26"

alpha(7) = "16" : alpha(20) = "27"

alpha(8) = "17" : alpha(21) = "28"

alpha(9) = "34" : alpha(22) = "29"

alpha(10) = "18" : alpha(23) = "32"

alpha(11) = "19" : alpha(24) = "30"

alpha(12) = "20" : alpha(25) = "31"

alpha(13) = "21" : alpha(26) = "33"

Console.Write("請輸入身份證字號: ")

ID = Console.ReadLine().ToUpper

If Len(ID) <> 10 Then '檢查長度是否為10個字

ErrMsg = "身分證字號長度錯誤"

Else '檢查第一碼是否為英文字

If Mid(ID, 1, 1) < "A" Or Mid(ID, 1, 1) > "Z" Then

ErrMsg = ErrMsg & vbCrLf & "身分證字號格式錯誤,第一碼應為英文"

End If

If Mid(ID, 2, 1) <> "1" And Mid(ID, 2, 1) <> "2" Then '檢查性別

ErrMsg = ErrMsg & vbCrLf & "性別錯誤,第二碼應為1或2"

End If

For i = 2 To 10 '檢查後九碼是否為數字

If Mid(ID, i, 1) < "0" Or Mid(ID, i, 1) > "9" Then

ErrMsg = ErrMsg & vbCrLf & "身分證字號後九碼應為數字"

Exit For

End If

Next

If ErrMsg = "" Then '計算檢查碼是否正確

N0 = Val(Mid(alpha(Asc(Mid(ID, 1, 1)) - 64), 1, 1))

N1 = Val(Mid(alpha(Asc(Mid(ID, 1, 1)) - 64), 2, 1)) \* 9

N = 0

For i = 2 To 9

N = N + Mid(ID, i, 1) \* (10 - i)

Next

Sum = (N0 + N1 + N) Mod 10

If Sum <> 0 Then Sum = 10 - Sum

If Sum <> Val(Mid(ID, 10, 1)) Then

ErrMsg = ErrMsg & Chr(13) & "身分證字號檢查碼不符"

End If

End If

End If

'印出訊息

If ErrMsg = "" Then

Console.WriteLine("這是正確的身分證字號")

Else

Console.WriteLine(ErrMsg)

End If

Console.Read()

End Sub

End Module