

```

1 Public Class Form1
2     '*****
3     '* 11900-1060306 Program Start *
4     '*****
5
6     Dim rno As Integer = 0
7     Dim data(100, 4) As String
8     Dim ec As String = ""
9     Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
10         Call rdata()
11         For i = 1 To rno
12             ec = ""
13             If ec = "" Then sp1(i)
14             If ec = "" Then sp2(i)
15             If ec = "" Then sp3(i)
16             data(i, 4) = ec
17         Next
18         Call wdata()
19     End Sub
20
21     Sub rdata()
22         FileOpen(1, "C:\Users\mshome\source\11900\範例光碟\1060306.SM",
23             OpenMode.Input)
24         Do While Not EOF(1)
25             rno = rno + 1
26             Input(1, data(rno, 1))
27             Input(1, data(rno, 2))
28             Input(1, data(rno, 3))
29         Loop
30         FileClose(1)
31     End Sub
32
33     Sub sp1(ByVal i)
34         If Not data(i, 1) Like "[A-Z]#####" Then
35             ec = "FORMAT ERROR"
36         End If
37     End Sub
38
39     Sub sp2(ByVal i)
40         Dim d As String
41         d = Mid(data(i, 1), 2, 1) & data(i, 3)
42         If d <> "1M" And d <> "2F" Then
43             ec = "SEX CODE ERROR"
44         End If
45     End Sub
46
47     Sub sp3(ByVal i)
48         Dim l1 As String
49         Dim pid_e As String = "ABCDEFGHJKLMNPQRSTUVWXYZIO"
50         Dim x, x1, x2, y As Integer
51         l1 = Mid(data(i, 1), 1, 1)
52         x = InStr(pid_e, l1) + 9

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52         x1 = x \ 10
53         x2 = x Mod 10
54         y = x1 + x2 * 9
55         For j = 2 To 9
56             y = y + Mid(data(i, 1), j, 1) * (10 - j)
57         Next
58         y = y + Mid(data(i, 1), 10, 1)
59         If y Mod 10 <> 0 Then
60             ec = "CHECK SUM ERROR"
61         End If
62     End Sub
63
64     Sub wdata()
65         Dim dt As New DataTable
66         dt.Columns.Add("ID_NO")
67         dt.Columns.Add("NAME")
68         dt.Columns.Add("SEX")
69         dt.Columns.Add("ERROR")
70
71         For i = 1 To rno
72             Dim dr As DataRow = dt.NewRow
73             dr(0) = data(i, 1)
74             dr(1) = data(i, 2)
75             dr(2) = data(i, 3)
76             dr(3) = data(i, 4)
77             dt.Rows.Add(dr)
78         Next
79
80         dgv.DataSource = dt
81         dgv.Sort(dgv.Columns(0), 0)
82     End Sub
83 End Class
84
```