

```
1 Public Class Form1
2     '*****
3     '* 11900-1060301 Program Start *
4     '*****
5     Private Sub btn_01_Click(sender As Object, e As EventArgs) Handles btn\_01.Click
6         Dim m0 As Integer
7
8         FileOpen(1, "C:\Users\msHOME\source\11900\範例光碟\1060301.SM", OpenMode.Input)
9         Input(1, m0)
10        FileClose(1)
11
12        Dim m1, m2, m3, m4 As Integer
13        m1 = m0
14        For i = 1 To 9
15            m2 = m1 Mod 10
16            m4 = m4 & m2
17            m3 = m1 \ 10
18            If m3 = 0 Then
19                Exit For
20            End If
21            m1 = m3
22        Next
23
24        If m0 = m4 Then
25            txt_01.Text = "第一題結果：" & m0 & " is a palindrome."
26        Else
27            txt_01.Text = "第一題結果：" & m0 & " is not a palindrome."
28        End If
29
30    End Sub
31
32    '*****
33    '* 11900-1060302 Program Start *
34    '*****
35    Private Sub btn_02_Click(sender As Object, e As EventArgs) Handles btn\_02.Click
36        Dim m0 As Integer
37
38        FileOpen(1, "C:\Users\msHOME\source\11900\範例光碟\1060302.SM", OpenMode.Input)
39        Input(1, m0)
40        FileClose(1)
41
42        Dim m1 As String = ""
43        For i = 1 To m0
44            For j = 1 To i
45                m1 = m1 & j
46            Next
47            m1 = m1 & vbCrLf
48        Next
49
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50     txt_02.Text = "第二題結果：" & vbCrLf & m1
51 End Sub
52
53 '*****
54 '* 11900-1060303 Program Start *
55 '*****
56 Private Sub btn_03_Click(sender As Object, e As EventArgs) Handles ?
57     btn_03.Click
58     Dim m0 As Integer
59     FileOpen(1, "C:\Users\mshome\source\11900\範例光碟\1060303.SM", ?
60         OpenMode.Input)
61     Input(1, m0)
62     FileClose(1)
63     Dim x As Integer = 0
64     For i = 1 To m0
65         If m0 Mod i = 0 Then
66             x += 1
67         End If
68     Next
69     If x = 2 Then
70         txt_03.Text = "第三題結果：" & m0 & " is a prime number."
71     Else
72         txt_03.Text = "第三題結果：" & m0 & " is not a prime number."
73     End If
74 End Sub
75
76 '*****
77 '* 11900-1060304 Program Start *
78 '*****
79 Private Sub btn_04_Click(sender As Object, e As EventArgs) Handles ?
80     btn_04.Click
81     Dim h(3), w(3) As Integer
82     Dim bmi(3) As Single
83     FileOpen(1, "C:\Users\mshome\source\11900\範例光碟\1060304.SM", ?
84         OpenMode.Input)
85     Input(1, h(1)) : Input(1, w(1))
86     Input(1, h(2)) : Input(1, w(2))
87     Input(1, h(3)) : Input(1, w(3))
88     FileClose(1)
89
90     For i = 1 To 3
91         bmi(i) = w(i) / (h(i) / 100) ^ 2
92     Next
93
94     Dim bmi_s As Single = bmi(1)
95     If bmi(2) < bmi_s Then
96         bmi_s = bmi(2)
97     ElseIf bmi(3) < bmi_s Then
98         bmi_s = bmi(3)
99     End If
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99         Dim bmi45 As Integer
100         bmi_s = bmi_s + 0.5
101         bmi45 = bmi_s - bmi_s Mod 1
102
103         If bmi45 >= 20 And bmi45 <= 25 Then
104             txt_04.Text = "第四題結果：最小BMI值=" & bmi45 & " · 正常"
105         Else
106             txt_04.Text = "第四題結果：最小BMI值=" & bmi45 & " · 不正常"
107         End If
108     End Sub
109
110     '*****
111     '* 11900-1060305 Program Start *
112     '*****
113     Private Sub btn_05_Click(sender As Object, e As EventArgs) Handles btn\_05.Click
114         Dim a(2, 2), b(2, 2), ans(2, 2) As Integer
115
116         FileOpen(1, "C:\Users\mshome\source\11900\範例光碟\1060305.SM", OpenMode.Input)
117         Input(1, a(1, 1)) : Input(1, a(1, 2))
118         Input(1, a(2, 1)) : Input(1, a(2, 2))
119         Input(1, b(1, 1)) : Input(1, b(1, 2))
120         Input(1, b(2, 1)) : Input(1, b(2, 2))
121         FileClose(1)
122
123         For i = 1 To 2
124             For j = 1 To 2
125                 ans(i, j) = a(i, j) + b(i, j)
126             Next
127         Next
128
129         txt_05.Text = "第五題結果：" & vbCrLf
130         txt_05.Text += "[" & ans(1, 1) & "   " & ans(1, 2) & "]" & vbCrLf
131         txt_05.Text += "[" & ans(2, 1) & "   " & ans(2, 2) & "]" & vbCrLf
132     End Sub
133
134     Private Sub btn_print_Click(sender As Object, e As EventArgs) Handles btn\_print.Click
135         Call pd.Print()
136     End Sub
137
138     Private Sub pd_PrintPage(sender As Object, e As Printing.PrintPageEventArgs) Handles pd.PrintPage
139         Dim m0 As String = ""
140
141         m0 = m0 & "姓名：[陳紋誼]          術科測試編號：[000001]" & vbCrLf
142         m0 = m0 & "座號：[01]            日期：[2023/08/25]" & vbCrLf & vbCrLf
143         m0 = m0 & txt_01.Text & vbCrLf & vbCrLf
144         m0 = m0 & txt_02.Text & vbCrLf & vbCrLf
145         m0 = m0 & txt_03.Text & vbCrLf & vbCrLf
146         m0 = m0 & txt_04.Text & vbCrLf & vbCrLf
147         m0 = m0 & txt_05.Text & vbCrLf & vbCrLf

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148
149         e.Graphics.DrawString(m0, txt_01.Font, Brushes.Black, 100, 100)
150     End Sub
151 End Class
152
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