

Visual Basic 6.0 (IV)

資科系
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第一站五題

- 第二組以Do While... Loop 前測試迴圈之方法
- 語法：
設定初值
Do while 條件
指令
遞增或遞減值
Loop

中途離開用if指令判斷條件成立後Exit Do 2

第一題

- Open "a:\890301.sm" For Input As #1
- Input #1, q, w, e
- Close #1

- $i = q$
- Do While $i \leq w$
- $s = s + i$
- $i = i + e$
- Loop

- Print "第一題結果: "; s

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第二題

- Open "a:\890302.sm" For Input As #1
- Input #1, q, w, e
- Close #1

- $i = 1$
- Do While $i \leq 99$
- $r = x \text{ Mod } e$
- $x = x \setminus e$
- $\text{ans} = r \ \& \ \text{ans}$
- If $x = 0$ Then Exit Do
- $i = i + 1$
- Loop
- Print "第二題結果: "; ans

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第三題

- Open "a:\890303.sm" For Input As #1
- Input #1, x
- Close #1

- K=0
- If x > 3 Then
- i = 2
- Do While i < x
- If x Mod i = 0 Then
- k = k + 1
- Exit Do
- End If
- i = i + 1
- Loop
- End If

- Print "第三題結果: ";
- If k = 0 Then
- Print x & " is a prime number."
- Else
- Print x & " is not a prime number."
- End If

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第四題

- Open "a:\890304.sm" For Input As #1
- Input #1, x
- Close #1

- Dim a(99, 99)
- Print "第四題結果: "
- i = 1
- Do While i <= x
- j = 1
- Do While j <= x
- a(i, j) = 0
- If (i = j) Then a(i, j) = 1
- Print a(i, j);
- j = j + 1
- Loop
- Print
- i = i + 1
- Loop

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第五題

- Dim b(2, 2), c(2, 2), d(2, 2)
- Open "a:\890305.sm" For Input As #1
- Input #1, b(1, 1), b(1, 2), b(2, 1), b(2, 2)
- Input #1, c(1, 1), c(1, 2), c(2, 1), c(2, 2)
- Close #1

- i = 1
- Do While i <= 2
- j = 1
- Do While j <= 2
- d(i, j) = b(i, j) + c(i, j)
- j = j + 1
- Loop
- i = i + 1
- Loop

- Print "第五題結果: "
- Print "["; d(1, 1); " "; d(1, 2); "]"
- Print "["; d(2, 1); " "; d(2, 2); "]"

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第一站五題

- 第三組以Do... Loop While後測試迴圈之方法
- 語法：
 設定初值
 Do
 指令
 遞增或遞減值
 Loop while 條件

 中途離開用if指令判斷條件成立後Exit Do

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第一題

- Open "a:\890301.sm" For Input As #1
- Input #1, q, w, e
- Close #1

- $i = q$; $s = 0$
- Do
- $s = s + i$
- $i = i + e$
- Loop While $i \leq w$

- Print "第一題結果: "; s

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第二題

- Open "a:\890302.sm" For Input As #1
- Input #1, q, w, e
- Close #1

- $X = q$
- $i = 1$
- Do
- $r = x \text{ Mod } e$
- $x = x \setminus e$
- $\text{ans} = r \ \& \ \text{ans}$
- If $x = 0$ Then Exit Do
- $i = i + 1$
- Loop While $i \leq 99$

- Print "第二題結果: "; ans

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第三題

- Open "a:\890303.sm" For Input As #1
- Input #1, x
- Close #1

- K=0
- If x > 3 Then
- i = 2
- Do
- If x Mod i = 0 Then
- k = k + 1
- Exit Do
- End If
- i = i + 1
- Loop While i < x
- End If

- Print "第三題結果: ";
- If k = 0 Then
- Print x & " is a prime number."
- Else
- Print x & " is not a prime number."
- End If

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第四題

- Open "a:\890304.sm" For Input As #1
- Input #1, x
- Close #1

- Dim a(99, 99)
- Print "第四題結果: "
- i = 1
- Do
- j = 1
- Do
- a(i, j) = 0
- If (i = j) Then a(i, j) = 1
- Print a(i, j);
- j = j + 1
- Loop While j <= x
- Print
- i = i + 1
- Loop While i <= x

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第五題

- Dim b(2, 2), c(2, 2), d(2, 2)
- Open "a:\890305.sm" For Input As #1
- Input #1, b(1, 1), b(1, 2), b(2, 1), b(2, 2)
- Input #1, c(1, 1), c(1, 2), c(2, 1), c(2, 2)
- Close #1

- i = 1
- Do
- j = 1
- Do
- d(i, j) = b(i, j) + c(i, j)
- j = j + 1
- Loop While j <= 2
- i = i + 1
- Loop While i <= 2

- Print "第五題結果: "
- Print "["; d(1, 1); " "; d(1, 2); "]"
- Print "["; d(2, 1); " "; d(2, 2); "]"