

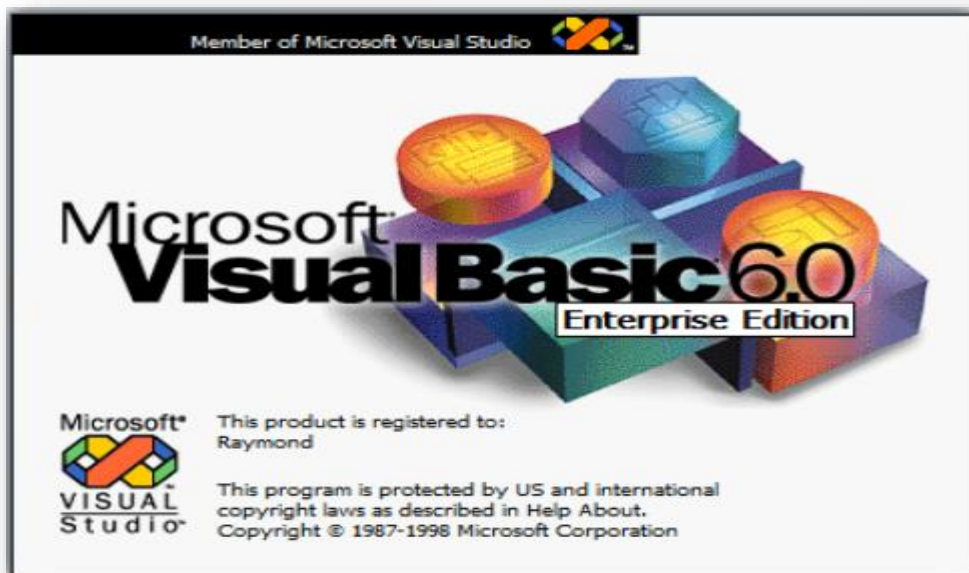


جامعة القادسية
كلية التربية



Lecture 18

Visual Basic 6.0



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Two Dimensional Arrays

Two dimension arrays (2D)

الصيغة العامة للايعاز

Dim array_name (row_dimension, col_dimension) **AS** Data_type

Example :

```
Dim a(3,3) as integer
Dim x(2,3) as single
Dim y(4,3) as string
```

➤ قراءة المصفوفة ذات البعدين :-

```
Dim a(2,3) as integer
For i= 0 to 2
  For j= 0 to 3
    b=inputbox("enter no.")
    a(i,j)= val(b)
  next j : next i
```

➤ طباعة المصفوفة ذات البعدين:-

```
Dim a(2,3) as integer
  For i= 0 to 2
    For j= 0 to 3
      b=inputbox("enter no.")
      a(i,j)= val(b)
    next j
  next i
  For i= 0 to 2
    For j= 0 to 3
      Print  a(i,j) ,
    next j
  print
next i
```

Write program to input integer value in arrays A(3,3) & print summation of these array ?

```
Private Sub command1_click()  
  
    Dim a(3, 3), s As Integer  
    For i = 0 To 3  
        For j = 0 To 3  
            b = InputBox("Enter No.")  
            a(i, j) = Val(b)  
        Next j  
    Next i  
    s = 0  
    For i = 0 To 3  
        For j = 0 To 3  
            s = s + a(i, j)  
        Next j  
    Next i  
    Print "sum of array = "; s  
  
End Sub
```

