```vbnet
Imports System.Console
Module Module1
    Sub Main()
        Dim i As Integer
        Dim n As Integer
        WriteLine("input number of array")
        n = ReadLine()
        Dim a(n - 1) As Double
        For i = 0 To n - 1
            a(i) = ReadLine()
        Next
        Array.Sort(a)
        For i = 0 To n - 1
            WriteLine(a(i))
        Next
        ReadLine()
    End Sub
End Module
```

برنامج لطباعة مصفوفة قطرها واحدي :

```vbnet
Imports System.Console
Module Module1
    Sub Main()
        Dim k, l As Integer
        Dim n, m As Integer
        WriteLine("input number of columes")
        n = ReadLine()
        WriteLine("input number of rows")
        m = ReadLine()
        Dim a(m, n) As Double
        For l = 1 To m
            For k = 1 To n
                a(l, k) = 0
                If l = k Then
                    a(l, l) = 1
                End If
            Next
        Next
        For l = 1 To m
            For k = 1 To n
                Write(a(l, k) & " ")
            Next
            WriteLine()
        Next
        ReadLine()
    End Sub
    End Module
```

برنامج يقوم بضرب مصفوفتين :

```vb
Imports System.Console
Module Module1
    Sub Main()
        Dim i, j, m, n As Integer
        WriteLine("input number of rows of array 1")
        m = ReadLine()
        writeLine("input number of columes of array 1")
        n = ReadLine()
        Dim a(m, n) As Double
        Dim x, y, q, w As Integer
        WriteLine("input number of rows of array 2")
        q = ReadLine()
        WriteLine("input number of columes of array 2")
        w = ReadLine()
        Dim b(q, w) As Double
        If n <> q Then
            WriteLine("no multiply")
        Else
            'قراءة المصفوفة الأولى
            For i = 1 To m
                For j = 1 To n
                    WriteLine("a(" & i & "," & j & ")=")
                    a(i, j) = ReadLine()
                Next
            Next
            'قراءة المصفوفة الثانية
            For x = 1 To q
                For y = 1 To w
                    WriteLine("b(" & x & "," & y & ")=")
                    b(x, y) = ReadLine()
                Next
            Next
            'حساب مصفوفة الناتج
            Dim c(m, w) As Double
            For i = 1 To m
                For j = 1 To w
                    For x = 1 To q
                        c(i, j) = c(i, j) + a(i, x) * b(x, j)
                    Next
                Next
            Next
            'طباعة مصفوفة الناتج
            For i = 1 To m
                For j = 1 To w
                    Write(c(i, j) & "      ")
                Next
                WriteLine()
            Next
        End If
        ReadLine()
    End Sub
End Module
```

برنامج يقوم بقراءة مصفوفة ثنائية البعد ثم يقوم بوضع جميع العناصر التي هي اكبر من قيمة معينة (wmax) في مصفوفة احداية البعد

```vbnet
Imports System.Console
Module Module1
    Sub Main()
        Dim i, j, m, n, k As Integer
        WriteLine("input number of rows of array 1")
        m = ReadLine()
        WriteLine("input number of columes of array 1")
        n = ReadLine()
        Dim a(m, n) As Double
        Dim wmax As Double
        Dim v(100)
        WriteLine("input Wmax")
        wmax = ReadLine()
        For i = 1 To m
            For j = 1 To n
                WriteLine("a(" & i & "," & j & ")=")
                a(i, j) = ReadLine()
            Next
        Next
        k = 1
        For i = 1 To m
            For j = 1 To n
                If a(i, j) > wmax Then
                    v(k) = a(i, j)
                    k = k + 1
                End If
            Next
        Next
        For i = 1 To k - 1
            WriteLine("v(" & i & ")=" & v(i))
        Next
        ReadLine()
    End Sub
End Module
```