

تابع فرعي لجمع عددين

```
Imports System.Console
Module Module1
    Sub Main()
        Dim a, b As Double
        a = ReadLine()
        b = ReadLine()
        WriteLine("sum=" & sum(a, b))
        ReadLine()
        WriteLine("sum=" & sum(100, 110))
        ReadLine()
    End Sub
    Function sum(ByVal a As Double, ByVal b As Double) As Double
        sum = a + b
    End Function
End Module
```

برنامج فرعي لحساب مجموع عددين

```
Imports System.Console
Module Module1
    Sub Main()
        Dim a, b, c As Double
        a = ReadLine()
        b = ReadLine()
        sum(a, b, c)
        WriteLine("sum=" & c)
        ReadLine()
    End Sub
    Sub sum(ByVal a As Double, ByVal b As Double, ByRef c As Double)
        c = a + b
    End Sub
End Module
```

تابع فرعي لحساب العامل

```
Imports System.Console
Module Module1
    Function factor(ByVal n As Integer) As Long
        Dim i As Integer
        factor = 1
        For i = 1 To n
            factor = factor * i
        Next
    End Function
    Sub Main()
        Dim n As Integer
        n = ReadLine()
        WriteLine("N!=" & factor(n))
        ReadLine()
    End Sub
End Module
```

برنامج فرعي لحساب العامل

```
Imports System.Console
Module Module1
    Sub Main()
        Dim n As Integer
        n = ReadLine()
        Dim c As Long
        factory(n, c)
        WriteLine("factory=" & c)
        ReadLine()
    End Sub
    Sub factory(ByVal n As Integer, ByRef c As Long)
        Dim i As Integer
        c = 1
        For i = 1 To n
            c = c * i
        Next
    End Sub
End Module
```

دورة عام 2008/2009 الفصل الأول:
 لدينا شعاع v يحتوي مجموعة غير ثابتة من الأعداد الصحيحة والمطلوب كتابة برنامج بلغة Visual Basic :
 1- تعريف المتغيرات والثوابت
 2- كتابة تابع فرعي Function باسم FindMax للبحث عن اكبر عدد في الشعاع وطباعة العدد على الشاشة

```
Imports System.Console
Module Module1
    Sub Main()
        Dim n, i As Integer
        n = ReadLine()
        Dim v(n) As Double
        For i = 1 To n
            v(i) = ReadLine()
        Next
        WriteLine("max is " & findmax(v, n))
        ReadLine()
    End Sub
    Function findmax(ByVal v() As Double, ByVal n As Integer) As Double
        Dim i As Integer
        findmax = v(1)
        For i = 2 To n
            If findmax < v(i) Then
                findmax = v(i)
            End If
        Next
    End Function
End Module
```

```
Imports System.Console
Module Module1
    Sub Main()
        Dim n, i As Integer
        n = ReadLine()
        Dim f As Double
        Dim v(n) As Double
        For i = 1 To n
            v(i) = ReadLine()
        Next
        findmax(v, n, f)
        WriteLine("max is " & f)
        ReadLine()
    End Sub
    Sub findmax(ByVal v() As Double, ByVal n As Integer, ByRef f As Double)
        Dim i As Integer
        f = v(1)
        For i = 2 To n
            If f < v(i) Then
                f = v(i)
            End If
        Next
    End Sub
End Module
```

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