

Practical No 17

VIII. Resources required (Additional)

→ If any web resources required.

X. Resources used (Additional)

→ <https://docs.microsoft.com/en-us/dotnet/visual-basic/language-reference/statements/function-statement>

→ https://www.tutorialspoint.com/vb.net/vb.net_functions.htm

XI. Program Code

1. Write a program using the concept of class & object in VB.Net.

```
➤ Module Module1
    Sub Main()
        Dim obj As New Test      'creating a object obj for Test Class
        obj.disp()              'Calling the disp method using obj
        Console.ReadLine()
    End Sub
End Module
Public Class Test
    Sub disp()
        Console.WriteLine("Welcome to VB.NET")
    End Sub
End Class
```

XII. Results (output of the program)

Welcome to VB.NET

XIII. Practical related Questions

1. Find output in following code.

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2. Find Error in following code.

```
Module Module1
    Sub Main()
        Dim b As B = New B(5)
        B = Display()

        Dim c As C = New C(5)
        B = Display()
    End Sub
```

- Compilation error (line 3, col 0): Type 'B' is not defined.
Compilation error (line 4, col 0): 'Display' is not declared. It may be inaccessible due to its protection level.
Compilation error (line 6, col 0): Type 'C' is not defined.
Compilation error (line 7, col 0): 'Display' is not declared. It may be inaccessible due to its protection level.

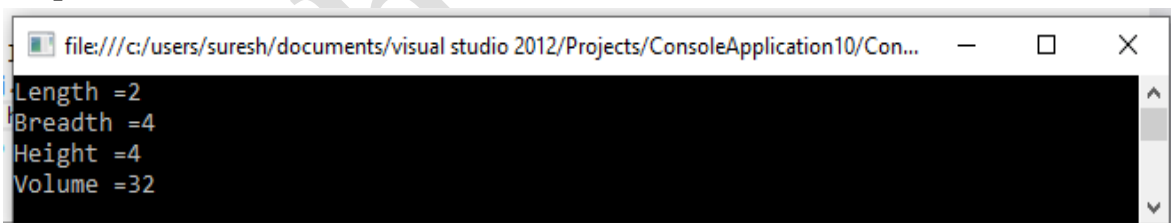
XIV. Exercise

1. Write a program to identify Volume of Box Class, with three data members, length, breadth and height.

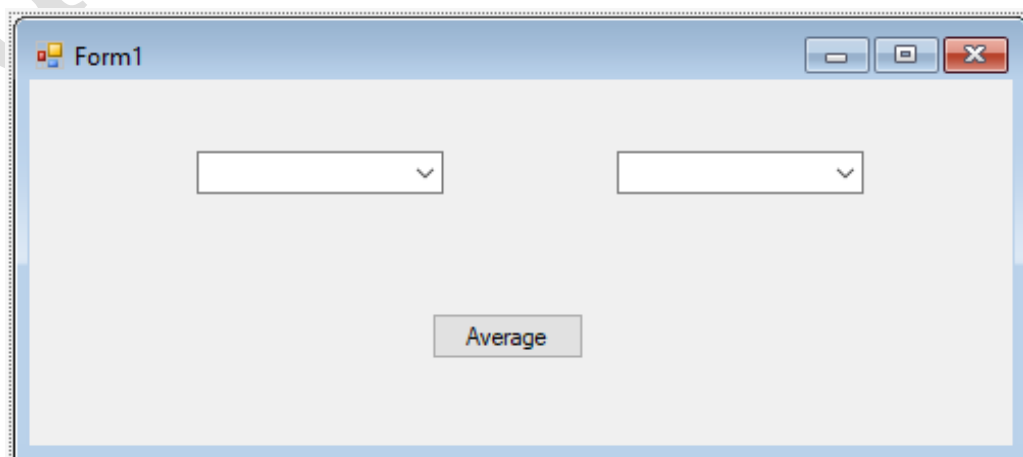
➤ Module Module1

```
Sub Main()  
    Dim obj As Box = New Box()  
    Dim vol As Integer  
    vol = obj.volume(2, 4, 4)  
    Console.WriteLine("Length =" & obj.l)  
    Console.WriteLine("Breadth =" & obj.b)  
    Console.WriteLine("Height =" & obj.h)  
    Console.WriteLine("Volume =" & vol)  
    Console.ReadLine()  
End Sub  
Class Box  
    Public l, b, h As Integer  
    Function volume(ByVal i As Integer, ByVal j As Integer,  
        _ByVal k As Integer)  
        Dim v As Integer  
        l = i  
        b = j  
        h = k  
        v = l * b * h  
        Return v  
    End Function  
End Class  
End Module
```

Output:



2. Implement a program to accept values from Combo Box and Display average of this in message box using class.



Public Class Form1

```
Private Sub Form1_Load(sender As Object, e As EventArgs)
Handles MyBase.Load
    ComboBox1.Items.Add(5)
    ComboBox1.Items.Add(8)
    ComboBox1.Items.Add(12)
    ComboBox1.Items.Add(20)
    ComboBox1.Items.Add(32)

    ComboBox2.Items.Add(6)
    ComboBox2.Items.Add(11)
    ComboBox2.Items.Add(17)
    ComboBox2.Items.Add(24)
    ComboBox2.Items.Add(36)
End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs)
Handles Button1.Click
    Dim average As Single
    average = (Val(ComboBox1.Text) + Val(ComboBox2.Text)) / 2
    MsgBox("Average = " & average)
End Sub
End Class
```

OUTPUT:

