

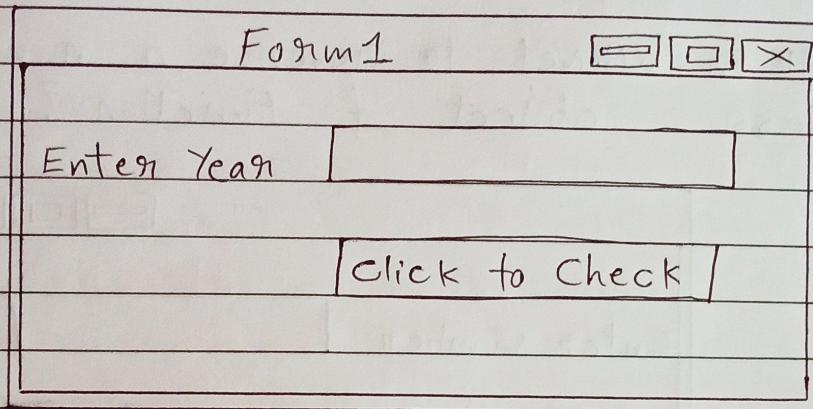


```

End If
End Sub
End Class

```

Q.) WAP in VB.Net to check year is leap year or not using class and object?



Public Class Form1

```

Private Sub Button1_Click(sender As Object,
e As EventArgs) Handles Button1.Click

```

```

Dim num As Integer

```

```

num = Val(TextBox1.Text)

```

```

Dim obj As New A(num)

```

```

obj.check()

```

```

End Sub

```

```

End Class

```

Public Class A

```

Dim n As Integer

```

```

Sub New(ByVal x As Integer) 'constructor

```

```

n = x

```

```

End Sub

```

```

Sub check()

```

```

If n Mod 4 = 0 And n Mod 100 <> 0 Or

```

```

n Mod 400 = 0 Then

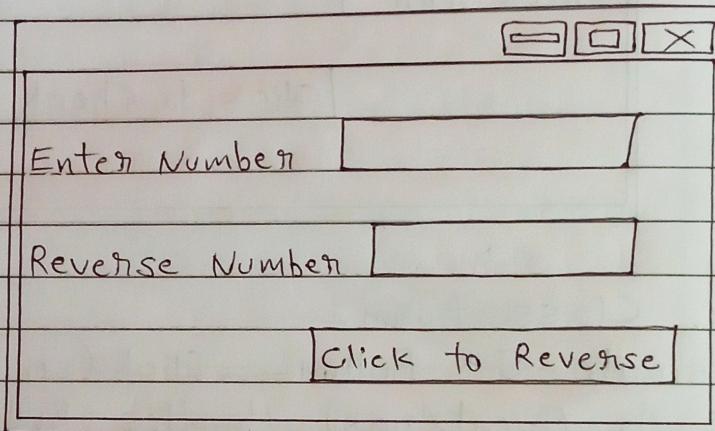
```

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```
MsgBox ("Leap Year")
Else
    MsgBox ("Not Leap Year")
End If
End Sub
End Class
```

Q.) WAP in VB.NET to reverse a number using class, object & Function ?



Public Class Form1

```
Private Sub Button1_Click(sender As Object,
e As EventArgs) Handles Button1.Click
    Dim num, ret As Integer
    num = Val(TextBox1.Text)
    Dim obj As New A(num)
    ret = obj.check()
    TextBox2.Text = ret
End Sub
```

End Class

Public Class A

```
Dim n, reme, reve As Integer
```

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```
Sub New(ByVal x As Integer) 'constructor
    n = x
    rev = 0
End Sub
Function check() As Integer
    While n > 0
        reme = n Mod 10
        rev = rev * 10 + reme
        n = n \ 10 ' \ Integer division
    End While
    Return rev
End Function
End Class
```

# WAP in VB.NET to add two no using  
Console programming ?

Module Vishal

```
Sub Main()
    Dim a, b, c As Integer
    Console.WriteLine("Enter a")
    a = Console.ReadLine()
    Console.WriteLine("Enter b")
    b = Console.ReadLine()
    c = a + b
    Console.WriteLine("Addition = " & c)
    Console.ReadLine()
End Sub
End Module
```



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# WAP in VB.NET using console programming  
(for loop)

1  
2 2  
3 3 3  
4 4 4 4  
5 5 5 5 5

Module Vishal

```
Sub Main()
    Dim i, j As Integer
    For i = 1 To 5
        For j = 1 To i
            Console.WriteLine(i)
        Next
        Console.WriteLine()
    Next
    Console.ReadLine()
End Sub
End Module
```

# WAP in VB.NET using console programming?  
(for loop)

1  
1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5

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Module Vishal

Sub Main()

Dim i, j As Integer

For i = 1 To 5

For j = 1 To i

Console.WriteLine(j)

Next

Console.WriteLine()

Next

Console.ReadLine()

End Sub

End Module

# WAP in VB.NET Using Console programming?

\*  
\* \*  
\* \* \*  
\* \* \* \*  
\* \* \* \* \*

Module Vishal

Sub Main()

Dim i, j, k As Integer

For i = 1 To 5

For k = 5 To i Step -1

Console.WriteLine(" " )

Next

For j = 1 To i

Console.WriteLine("\* " )

Next

Console.WriteLine()

Next



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Console. Read()

End Sub

End Module

# WAP in VB.NET to reverse a number  
using console programming! (while loop)

Module Vishal

Sub Main()

Dim num, reve As Integer

Console.WriteLine("Enter a number:")

num = Console.ReadLine()

while num > 0

    reve = reve \* 10 + (num Mod 10)

    num = (num \ 10)

End While

Console.WriteLine("Reverse = " & reve)

Console.Read()

End Sub

End Module

# WAP in VB.NET to accept 5 inputs and  
display using console programming? (Array)

Module Vishal

Sub Main()

Dim a(5), i As Integer

Console.WriteLine("Enter array elements:")

For i = 1 To 5

    a(i) = Console.ReadLine

Next

Console.WriteLine("Array Elements :")

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```
For i = 1 To 5  
    Console.WriteLine(" " & a(i))  
Next  
Console.ReadLine()  
End Sub  
End Module
```

# ~~WAP~~ WAP in VB.NET to accept 2x2 matrix elements and display it ?

Module Vishal

Sub Main()

Dim a(2, 2), i, j As Integer

Console.WriteLine("Enter array elements :")

For i = 1 To 2

For j = 1 To 2

a(i, j) = Console.ReadLine()

Next

Next

Console.WriteLine("Matrix displayed :")

For i = 1 To 2

For j = 1 To 2

Console.WriteLine(" " & a(i, j))

Next

Console.WriteLine()

Next

Console.WriteLine()

Console.ReadLine()

End Sub

End Module



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# WAP in VB.NET to swap the number using pass by value method?

Module Vishal

```
Function Swap (ByVal a As Integer,  
              ByVal b As Integer)  
    Dim Temp As Integer  
    temp = a  
    a = b  
    b = temp  
    Console.WriteLine ("a = " & a)  
    Console.WriteLine ("b = " & b)  
End Function  
Sub Main()  
    Dim a, b As Integer  
    Console.WriteLine ("Enter a :")  
    a = Console.ReadLine()  
    Console.WriteLine ("Enter b :")  
    b = Console.ReadLine()  
    Swap (a, b)  
    Console.ReadLine()  
End Sub  
End Module.
```

# WAP in VB.NET to swap the number using pass by reference method?

Module Vishal

```
Function Swap (ByRef a As Integer,  
              ByRef b As Integer)  
    Dim Temp As Integer  
    temp = a
```



```

a = b
b = temp
End Function
Sub Main()
    Dim a, b As Integer
    Console.WriteLine("Enter a :")
    a = Console.ReadLine
    Console.WriteLine("Enter b :")
    b = Console.ReadLine
    Swap(a, b)
    Console.WriteLine("a = " & a)
    Console.WriteLine("b = " & b)
    Console.ReadLine
End Sub
End Module

```

# WAP in VB.NET to display a number using Constructor!

Module Vishal

Class A

Dim x As Integer

Sub New()

x = 100

End Sub

Sub disp()

Console.WriteLine("Value = " & x)

End Sub

End Class

Sub Main()

Dim obj As New A

obj.disp()

Console.ReadLine()

End Sub

End Module



# WAP in VB.NET to display a number using parameterised constructor?

Module Vishal

Class A

Dim x As Integer

Sub New(ByVal y As Integer)

x = y

End Sub

Sub disp()

Console.WriteLine("Value = " & x)

End Sub

End Class

Sub Main()

Dim obj As New A(100)

obj.disp()

Console.ReadLine()

End Sub

End Module

# WAP in VB.NET to display a number using Copy constructor?

Module Vishal

Class A

Dim x As Integer

Sub New()

x = 100

End Sub

Sub New(ByRef obj As A)

x = obj.x

End Sub



```

Sub disp()
    Console.WriteLine("Value = " & x)
End Sub
End Class
Sub Main()
    Dim obj1 As New A
    Dim obj2 As New A(obj1)
    obj1.disp()
    obj2.disp()
    Console.Read()
End Sub
End Module

```

## # Constructor overloading in console programming ?

```

Module Vishal
    Class A
        Dim x As Integer
        Sub New()
            x = 100
        End Sub
        Sub New(ByVal y As Integer)
            x = y
        End Sub
        Sub New(ByVal y As Integer, ByVal z As Integer)
            x = y + z
        End Sub
        Sub disp()
            Console.WriteLine("Value = " & x)
        End Sub
    End Class

```



```

Sub Main()
    Dim obj1 As New A
    Dim obj2 As New A(200)
    Dim obj3 As New A(100, 200)
    obj1. disp()
    obj2. disp()
    obj3. disp()
    Console. ReadC()
End Sub
End Module

```

## # Inheritance -

Module Vishal

Class a

Dim x As Integer

Sub New()

x = 100

End Sub

Sub disp()

Console. WriteLine ("Base value = " &amp; x)

End Sub

End Class

Class b : Inherits a

Dim y As Integer

Sub New()

y = 200

End Sub

Sub disp1()

Console. WriteLine ("child value = " &amp; y)

End Sub

End Class

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```
Sub Main ()  
    Dim obj As New b  
    obj. disp()  
    obj. disp1()  
    Console. Read()  
End Sub  
End Module
```

## # Interface -

Module Vishal

```
Public Interface Interface1
```

```
    Sub disp()
```

```
End Interface
```

```
Class a : Implements Interface1
```

```
    Public Sub disp() Implements
```

```
        Interface1. disp()
```

```
        Console. WriteLine ("we are in A")
```

```
    End Sub
```

```
End Class
```

```
Class b : Implements Interface1
```

```
    Public Sub disp() Implements
```

```
        Interface1. disp()
```

```
        Console. WriteLine ("We are in B")
```

```
    End Sub
```

```
End Class
```

```
Sub Main ()
```

```
    Dim ref As Interface1
```

```
    Dim obj1 As New a
```

```
    Dim obj2 As New b
```

```
    ref = obj1
```

```
    ref. disp()
```

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ref = obj

ref. disp()

Console. Read ()

End Sub

End Module