**Class Examples**

Ex1

Public Class Car

 Private number As Integer

 Public count As Integer

 Public Property num() As Integer

 Get

 Return number

 End Get

 Set(ByVal value As Integer)

 If value > 0 Then

 number = value

 Else

 number = -value

 End If

 End Set

 End Property

 Public Sub New() 'default constructor

 number = 0

 count = 0

 End Sub

 Public Sub New(ByVal n As Integer, ByVal n1 As Integer)

 If n > 0 Then

 number = n

 Else

 number = -n

 End If

 count = n1

 End Sub

End Class

Module Module1

 Sub main()

 Dim obj1 As New Car(2, 3)

 Dim obj2 As New Car()

 Dim obj3 As New Car() With {.num = -5} 'Object Initializers

 obj1.count = 5

 obj1.num = -2

 Console.WriteLine(obj2.count & " " & obj3.num)

 Console.Read()

 End Sub

End Module

Ex2

Public Class Car

 Private number As Integer

 Public count As integer

 Public Sub New ()

 number = 0

 count=0

 End Sub

 Public Sub New ( ByVal number As Integer, ByVal count As Integer)

 Me.number = number

 Me.count = count

 End Sub

End Class

Module Module1

Sub main ()

Dim obj1 As New Car (2,3)

Dim obj2 As New Car ()

Dim obj3 As New Car (1,1)

Obj1.count=5

Console.WriteLine(obj2.count &" "& obj3.count)

End Sub

End Module

Ex3

Public Class Car

 Private number As Integer

 Public Shared count As Integer

 Public Const x As Integer = 3 'const 🡪 shared

 Public ReadOnly y As Integer

 Public Sub New(ByVal n As Integer, ByVal n1 As Integer, ByVal n2 As Integer)

 number = n

 count = n1

 ' x = 0 ' **X** constant

 y = n2

 End Sub

End Class

Module module1

 Sub main()

 Dim var As Integer

 var = Console.ReadLine() ‘4

 Dim obj1 As New Car(2, 3, var)

 Dim obj2 As New Car(1, 1, var \* var)

 ' Obj1.y = 5 '**X** constant

 Car.count = 10

 Obj1.count = 9

 ' Car.x = 4 '**X** constant

 Console.WriteLine(obj1.y & " " & obj1.x & " " & obj1.count)

 Console.Read()

 End Sub

End Module