**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