

Lab 5 :inheritance I

صممي الواجهة التالية :

Car class

```
Public Class car

    Public carName As String
    Public carModel As Integer
    Public Sub New(ByVal x As String, ByVal y As Integer)
        carName = x

        carModel = y
    End Sub
    Public Sub New()
        carName = "Unknown"
        carModel = 0
    End Sub
```

جربي الاعلان عن الخصائص بجملة private ماذا تلاحظين ؟

Bmw class

```
Public Class bmw
    Inherits car
    Public maxspeed As Integer
```

```

    Public Sub New(ByVal value As String)
        carName = value
    End Sub

End Class

```

Car1 button

```

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
    Dim car1 As New car
    MsgBox("car name " & car1.carName & " car model " &
car1.carModel)

End Sub

```

Car2 button

```

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
    Dim car2 As New car("ferari", 2011)
    MsgBox("car name " & car2.carName & " car model " &
car2.carModel)
End Sub

```

Car3 button

```

Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button3.Click
    Dim n As String
    Dim m As Integer
    n = TextBox1.Text
    m = TextBox2.Text
    Dim car3 As New car(n, m)

    MsgBox("car name " & car3.carName & " car model " &
car3.carModel)
End Sub

```

bmw button

```

Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button4.Click
    Dim car4 As New bmw("anything")
    REM Dim car5 As New bmw()
    car4.carName = "anything"
    car4.carModel = 2009
    car4.maxspeed = 300

    MsgBox("car name " & car4.carName & " car model " &
car4.carModel & " max speed " & car4.maxspeed)

End Sub

```

End Class