

اعداد
م/ محمد جودة حمائل

2008


First Publication

PROGRAMMING WITH VISUAL BASIC .NET

Microsoft
Visual Basic 2005
Express Edition

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 Microsoft Visual Basic

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Al-Waseem
Instructional Sequence

programmer

Mohammad
Hamayel

- :

-

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((_____))

m.hamayel@yahoo.com

- -

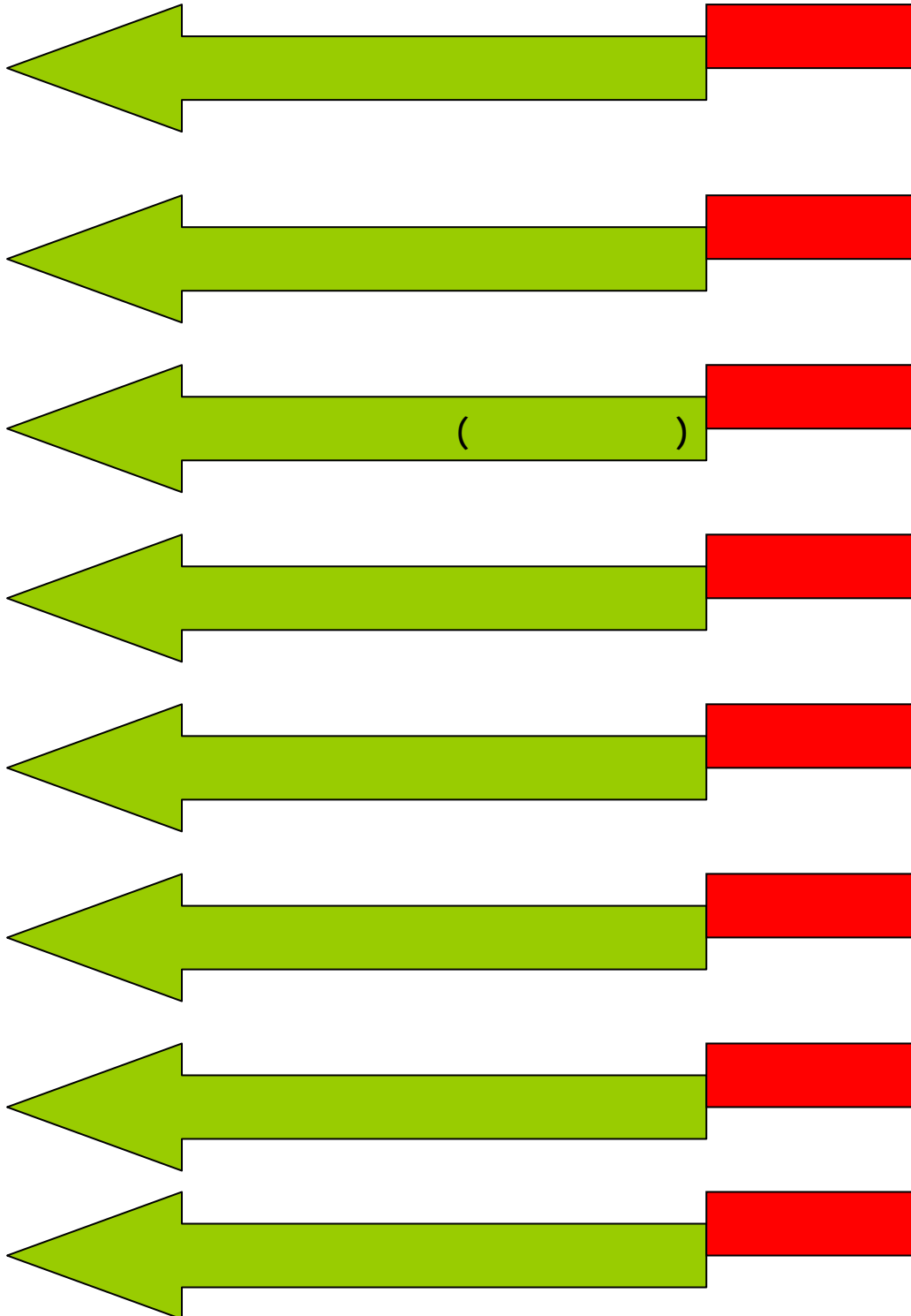
- -

" "

- -

- -





First Section

conditinal Statment

&

Loop Statment

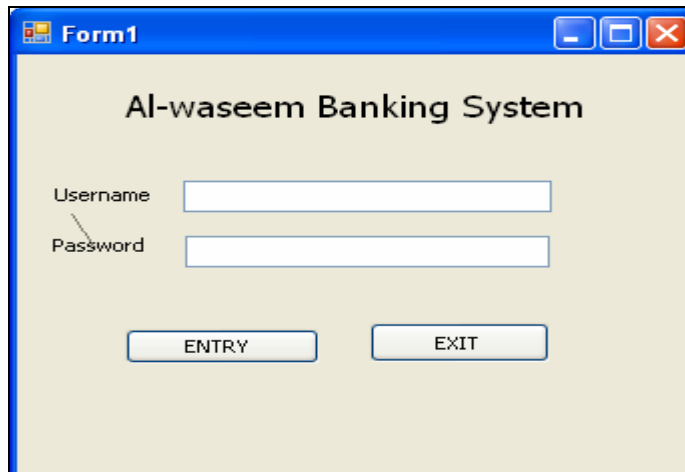
If else

_____:

```
If (condition) Then  
    result .....  
End If
```

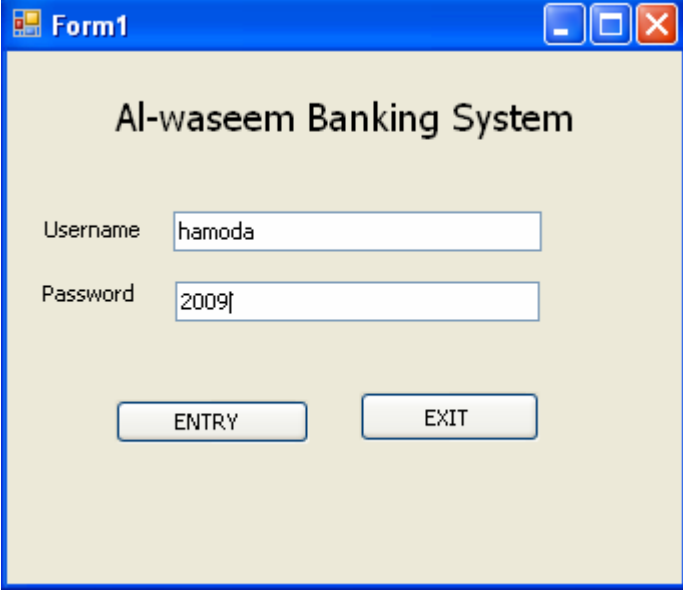
End If

_____:



```
If (TextBox1.Text = "hamoda") Then
    If (TextBox2.Text = "2009") Then
        Form2.Show()

    End If
End If
End Sub
```



Form1

Al-waseem Banking System

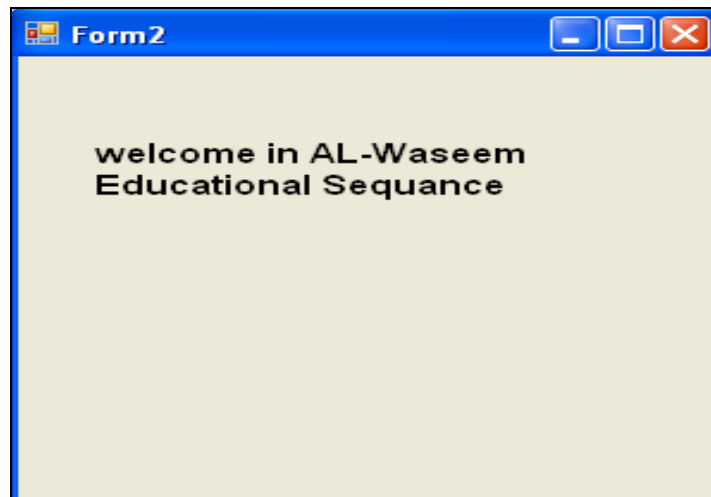
Username hamoda

Password 2009

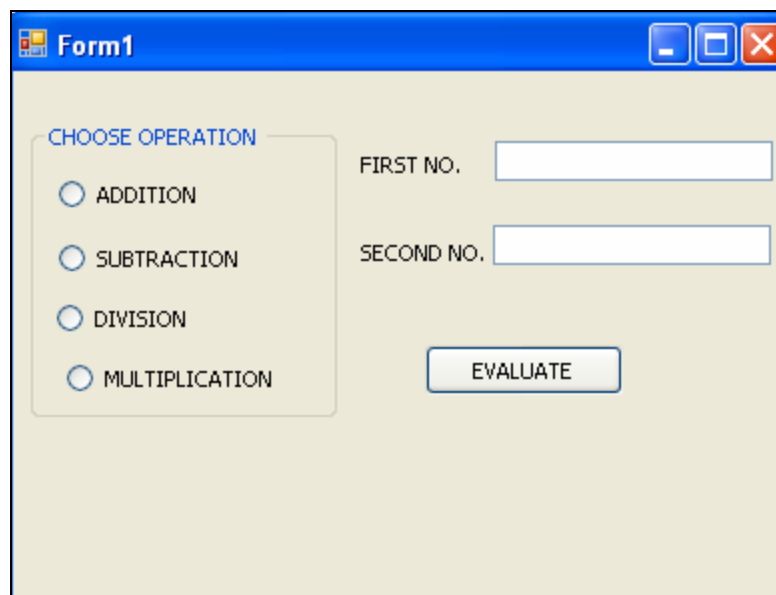
ENTRY EXIT

hamoda :

- :



-:



-:

```
Public Class Form1

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles Button1.Click
        Dim x As String
        Dim y As String

        If TextBox1.Text = "" Then
            MsgBox("inseart number", MsgBoxStyle.Critical)

        End If
    End Sub
End Class
```



```

x = TextBox1.Text
y = TextBox2.Text

If RadioButton1.Checked Then
    TextBox3.Text = x + y

End If
If RadioButton2.Checked Then
    TextBox3.Text = x - y

End If
If RadioButton3.Checked Then
    TextBox3.Text = x / y

End If
If RadioButton4.Checked Then
    TextBox3.Text = x * y

End If

End Sub
End Class

```

For Loop. _____ .

-:

For (condition)

NEXT

-

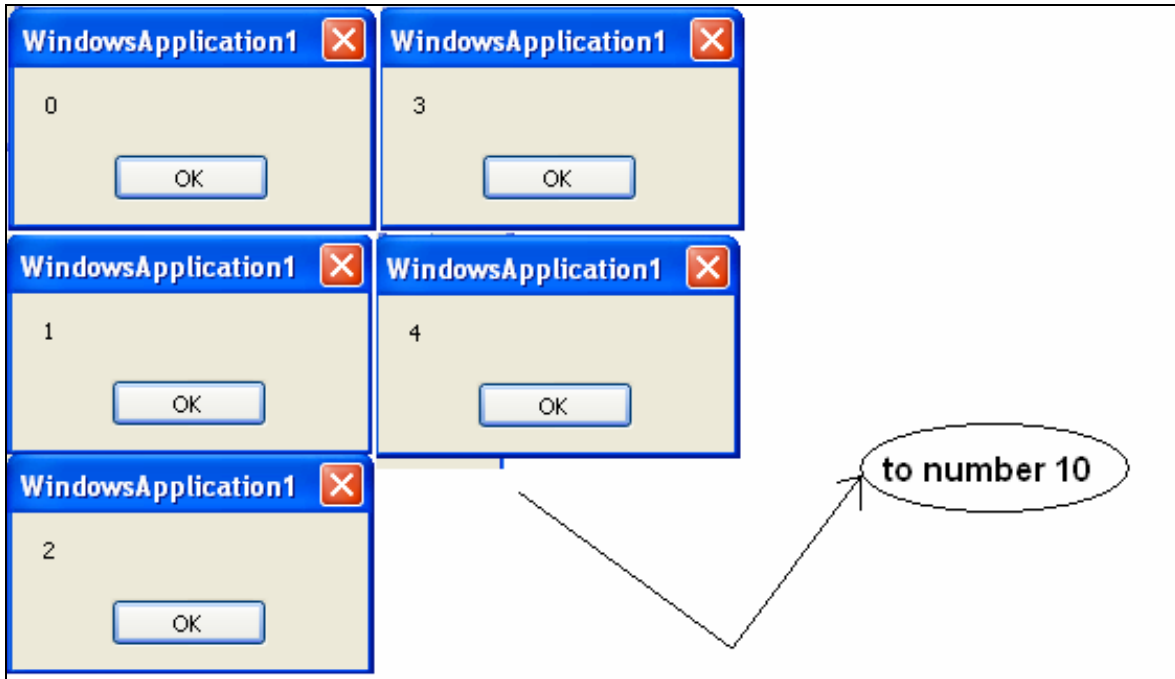
For Loop

-:

```
For x = 0 To 10
```

```
    MsgBox (x)
```

```
    |
```



— : —

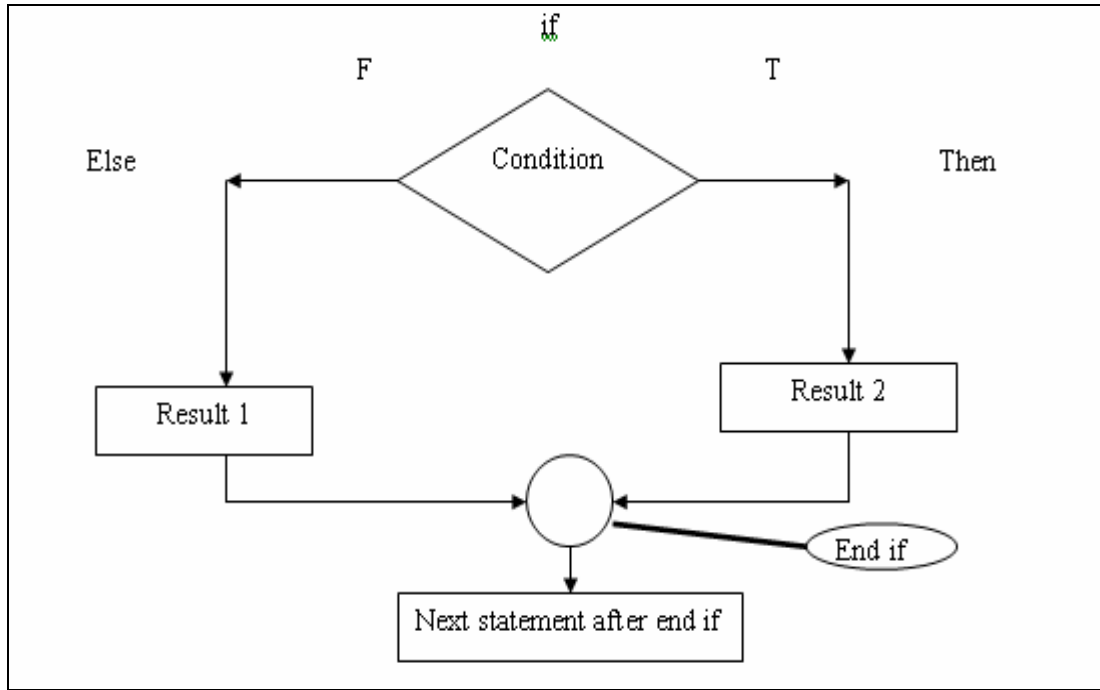


if thenelse

_____ / _____ :

```
If (condition) then
Result1 .....
Else .....
Statment2
```

— : —



=:



-:

```
Public Class Form1

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        Dim x As Integer
        x = TextBox1.Text

        If x = 5 Then
            MsgBox("u r correct")
        ElseIf x > 5 Then
            MsgBox("the number is more than")
        ElseIf x < 5 Then
            MsgBox("the number is less than")
        End If

    End Sub
End Class
```



Do Loop until .

Do Loop Until

```
Do (operation)
.....
.....
Loop until (condition)
```

Do while Do loop until



-:

```
Do
  x += 1
  MsgBox(x)
Loop Until x = 2
```

select case .

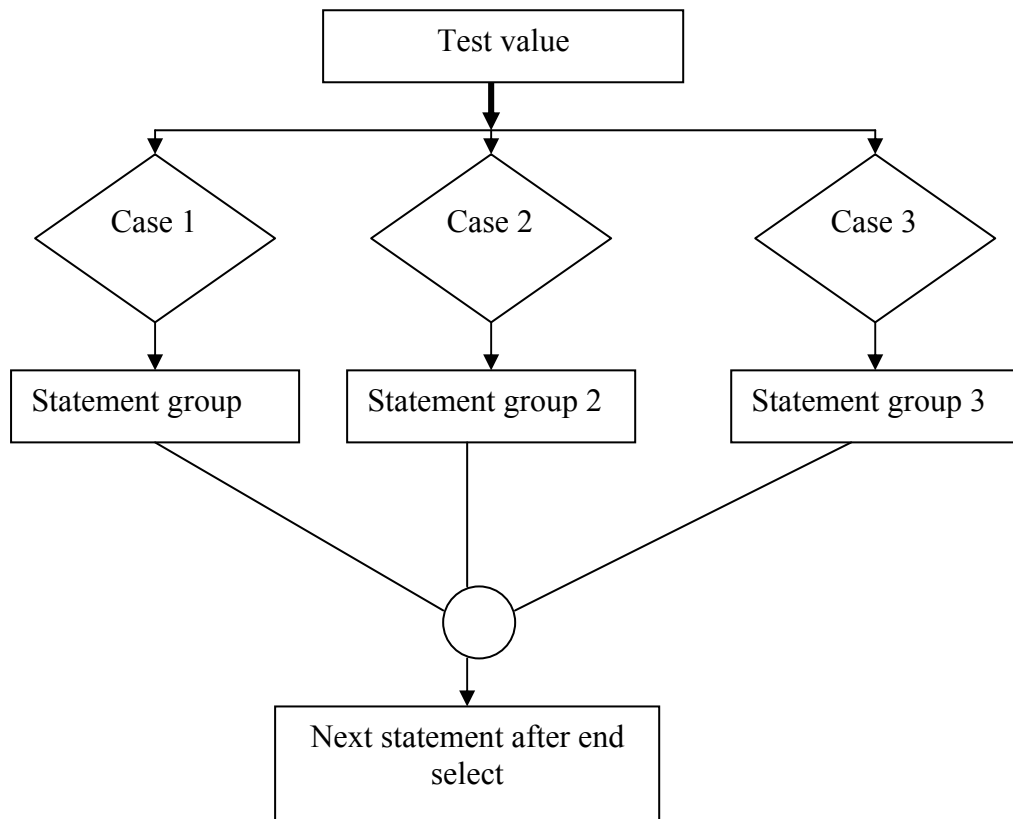
select case

```
Select Case (variable)
  Case 1
  Case 2
  .
  .
  .
End Select
```

-: Case 3 -

```
Dim value As Integer = 3
Select Case value
    Case 1
        MsgBox ("network")
    Case 2
        MsgBox ("business")
    Case 3
        MsgBox ("computer science")
    Case Else
        MsgBox ("art")
End Select
```

/



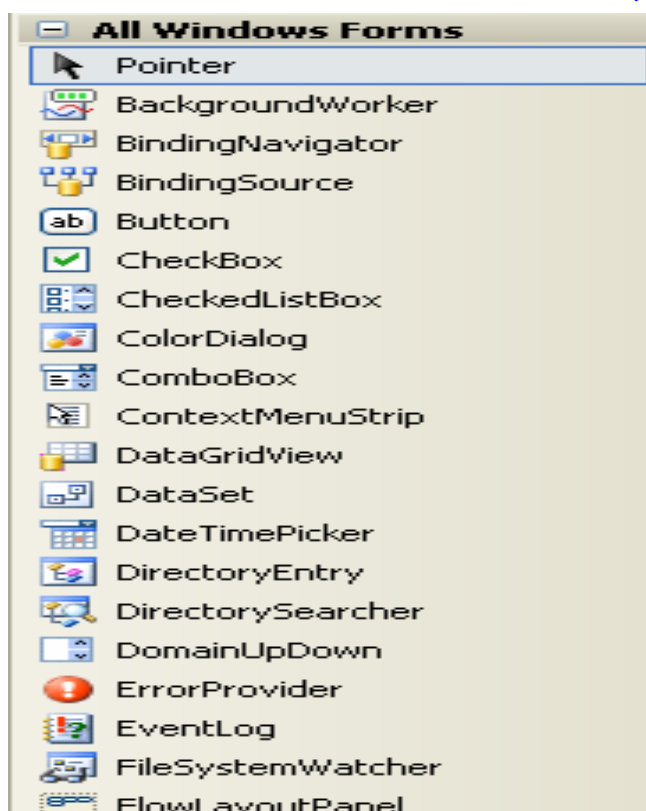
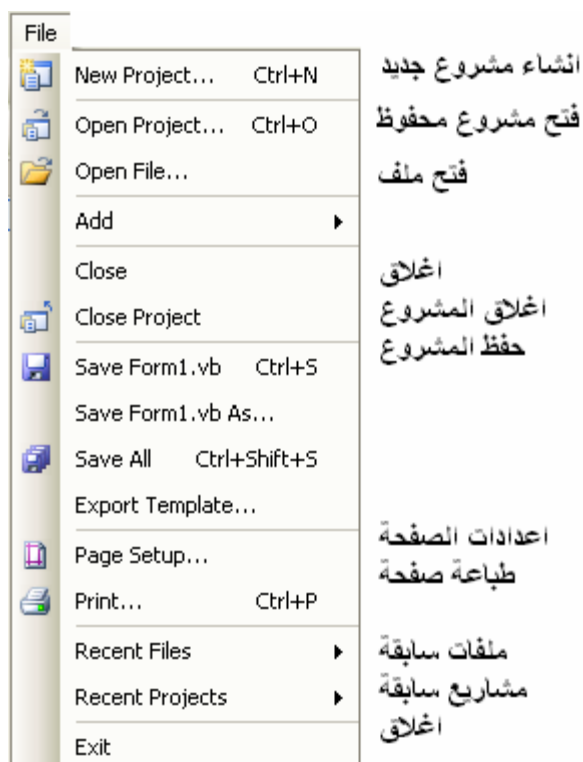
second section

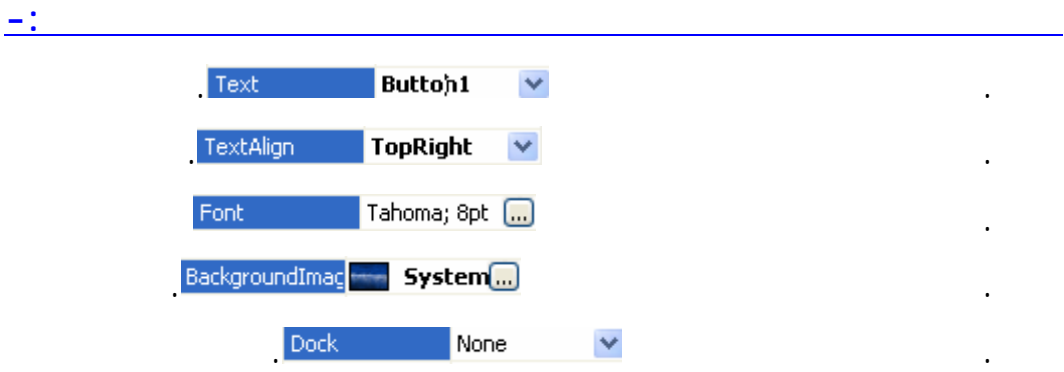
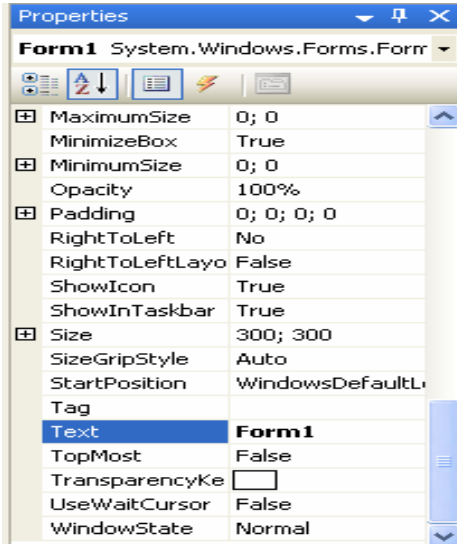
the most important visual basic 2005 tools

&

Equipment

(_____ :-)



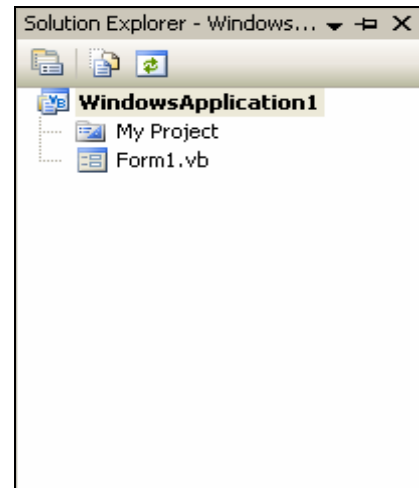


My Project

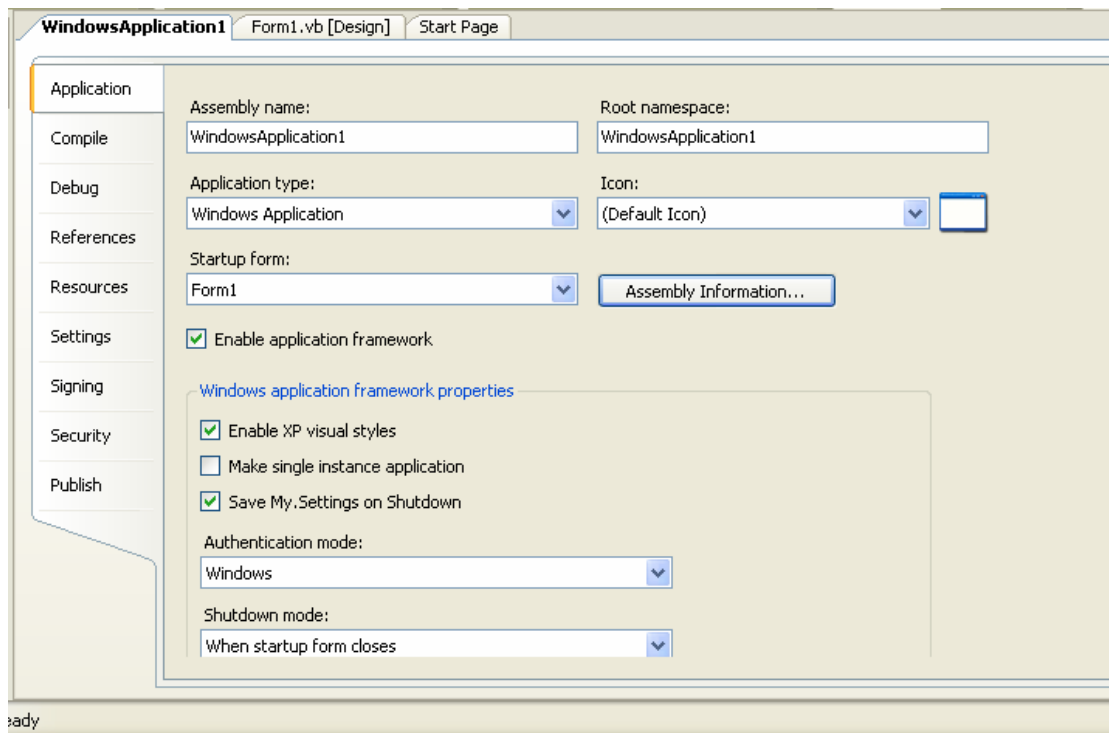
-:

Solution Explorer

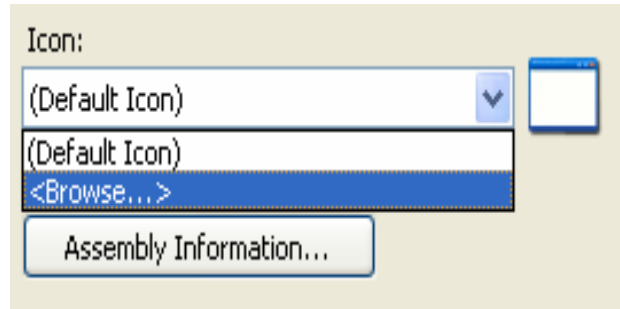
-:



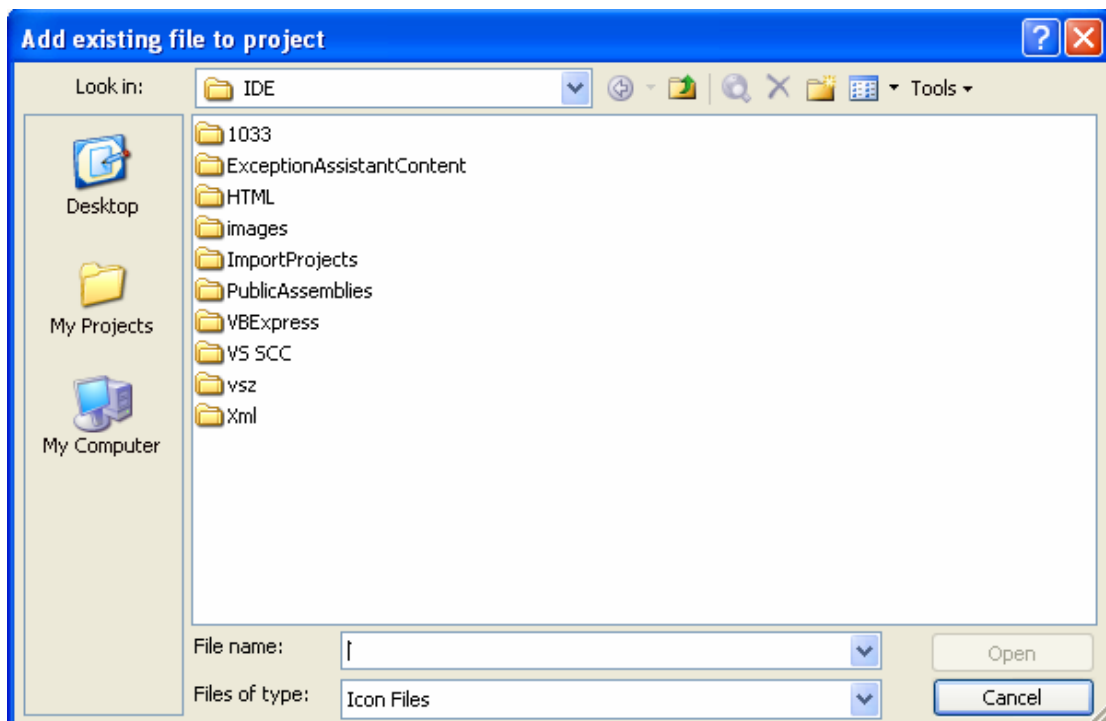
-:



- :



- :



.Open

- :



Assembly Information

Title: WindowsApplication1

Description:

Company: CS Expert Center

Product: WindowsApplication1

Copyright: Copyright © CS Expert Center 2008

Trademark:

Assembly Version: 1 0 0 0

File Version: 1 0 0 0

GUID: 802532e9-56c9-4a9f-b6ca-5695e6b1f7fa

Neutral Language: (None)

Make assembly COM-Visible

OK Cancel



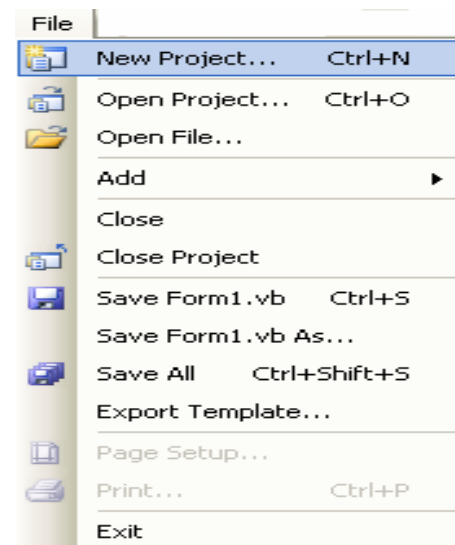
section three

programming with

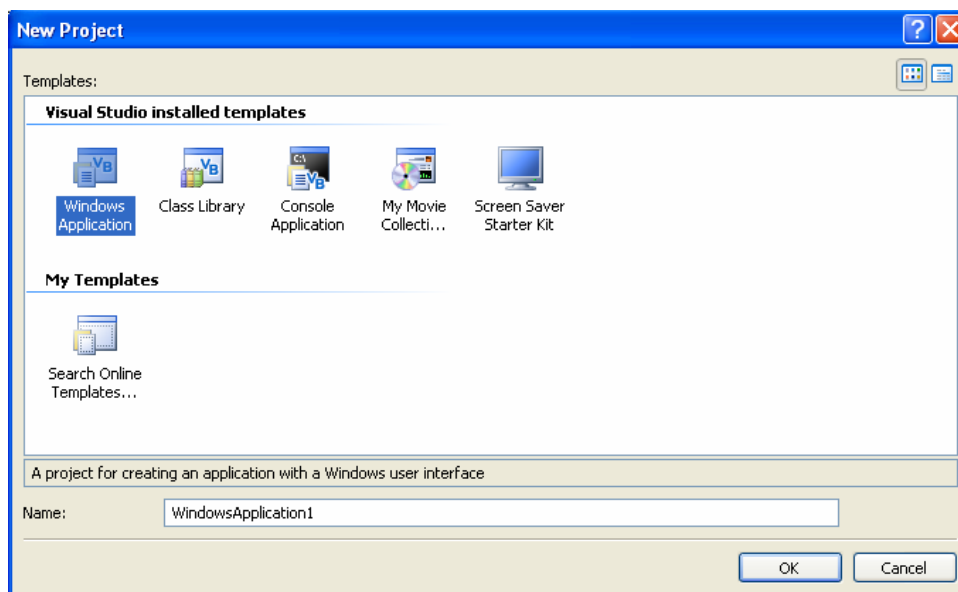
Visual Basic.NET

Programmer: mohammad hamayel

- :

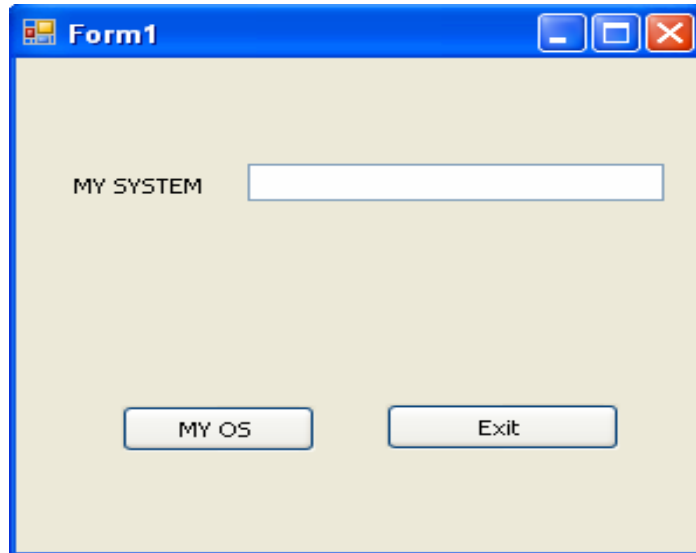


:



.OK

- :



MY OS

-:

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
    TextBox1.Text = My.Computer.Info.OSFullName
End Sub
```

قم بكتابة الكود التالي

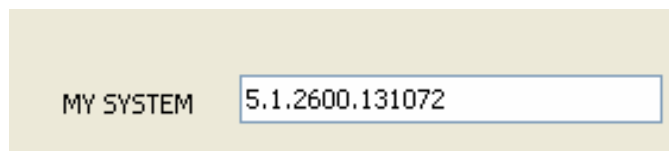
End

Exit

-:

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
    TextBox1.Text = My.Computer.Info.OSVersion
End Sub
```

-:



:-

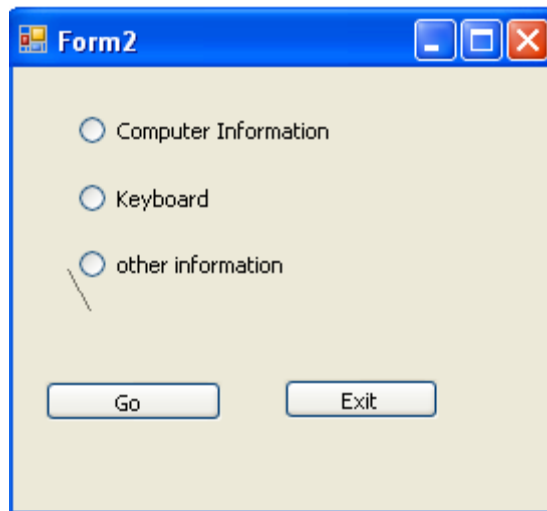


:-

```
Form2.Show ( )
```

.show()

Form



Go

/

-:

Computer \ System Information

physical memo	219635712	check
virtual memo	1997148160	check
total phy. memo	536330240	check
total vir. memo	2147352576	check
OS Name	Microsoft Windows XP Profess	check
OS platform	Win32NT	check
OS Virsion	5.1.2600.131072	check

Programmer mohammad hamayel

check

.textbox



_____:

: reset

-:

```

TextBox1.Text = " "
TextBox2.Text = " "
TextBox3.Text = " "
TextBox4.Text = " "
TextBox5.Text = " "
TextBox6.Text = " "
TextBox7.Text = " "
    
```

check

- :

The screenshot shows a form titled "Form3" with the following fields and code assignments:

- physical memo: `TextBox1.Text = My.Computer.Info.AvailablePhysicalMemory`
- virtual memo: `TextBox2.Text = My.Computer.Info.AvailableVirtualMemory`
- total phy. memo: `TextBox3.Text = My.Computer.Info.TotalPhysicalMemory`
- total vir. memo: `TextBox4.Text = My.Computer.Info.TotalVirtualMemory`
- OS Name: `TextBox5.Text = My.Computer.Info.OSFullName`
- OS platform: `TextBox6.Text = My.Computer.Info.OSPlatform`
- OS Virsion: `TextBox7.Text = My.Computer.Info.OSVersion`

At the bottom, there is a "reset" button with a red annotation: **تم كتابة الكود الخاص سابقاً** (Code was written previously).

End Sub

.Class

- :



Forms

- :

keyboard state

Form2

Computer Information

Keyboard

other information

Go Exit

-:

Form4

Keyboard state

AltKeyDown	<input type="text"/>	check
caps lock	<input type="text"/>	check
Num Lock	<input type="text"/>	check
ShiftKeyDown	<input type="text"/>	check
scroll lock	<input type="text"/>	check

-:

Form4

Keyboard state

AltKeyDown

caps lock

Num Lock

ShiftKeyDown

scroll lock

```

TextBox1.Text = My.Computer.Name.Clone
TextBox2.Text = My.Computer.Ports.GetHashCode
TextBox3.Text = My.Computer.Screen.DeviceName
TextBox4.Text = My.Computer.Mouse.ButtonsSwapped
TextBox5.Text = My.Computer.Network.GetHashCode
    
```

Form5

Form5

computer clone

hash port

screen dvi.

Mouse.ButtonsSwapped

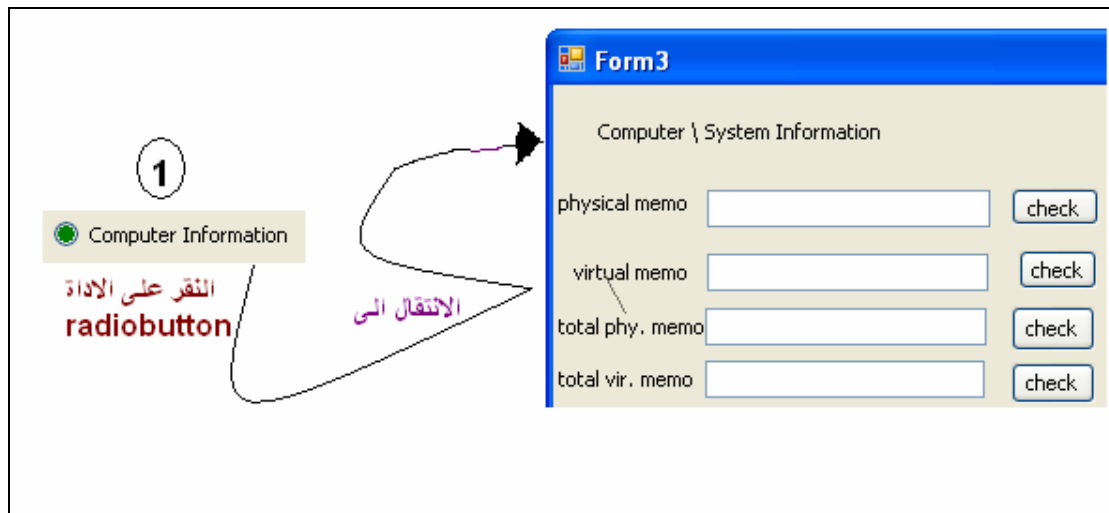
network

```

TextBox1.Text = My.Computer.Name.Clone
TextBox2.Text = My.Computer.Ports.GetHashCode
TextBox3.Text = My.Computer.Screen.DeviceName
TextBox4.Text = My.Computer.Mouse.ButtonsSwapped
TextBox5.Text = My.Computer.Network.GetHashCode
    
```

Computer Information

- :



- Join -

-:

```

If (RadioButton1.Checked) Then
    Form3.Show()
End If
    
```

-:

-:

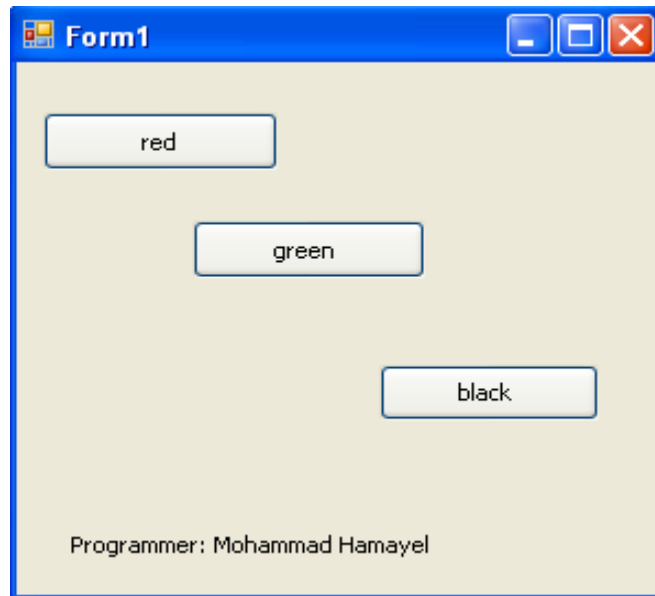


RadioButton

.if end if

Form

-:



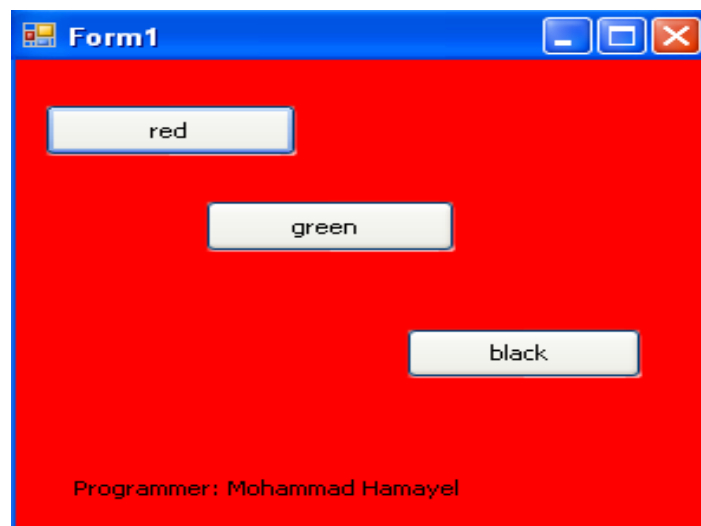
-:

Red

```
Private Sub Button2_Click(ByVal sender As System.Object,
    BackColor = Color.Green
End Sub
```

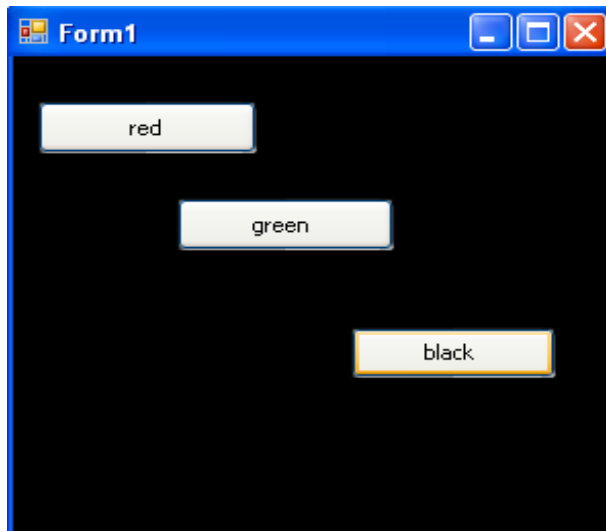
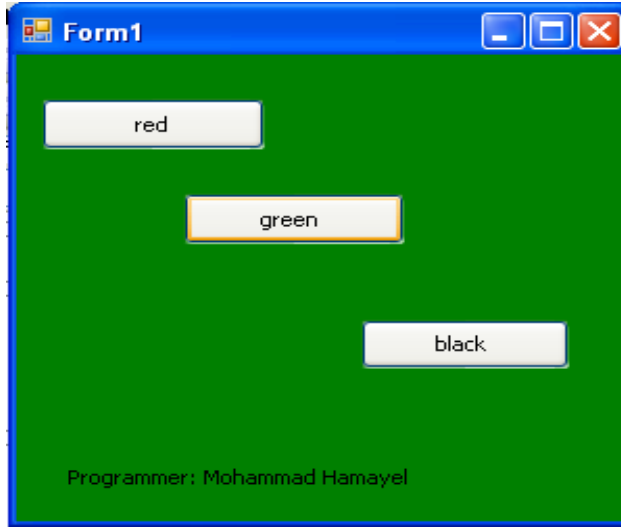
Red

-:



Form

- :



section four

Arrays

&

Messages Box


```
int [] x = new int[5]; \\ type of array ((Integer)).  
String [] = new String [10]; \\ type of array ((String)).
```

ADT

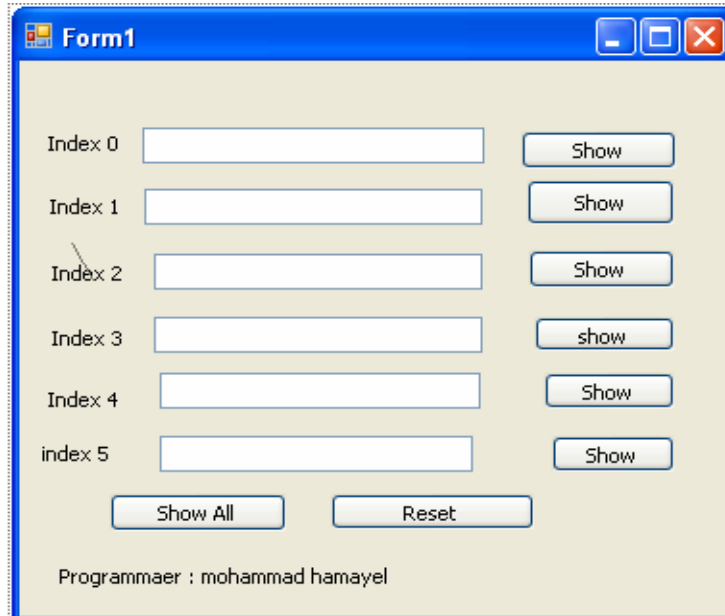
abstract data Type



RAM

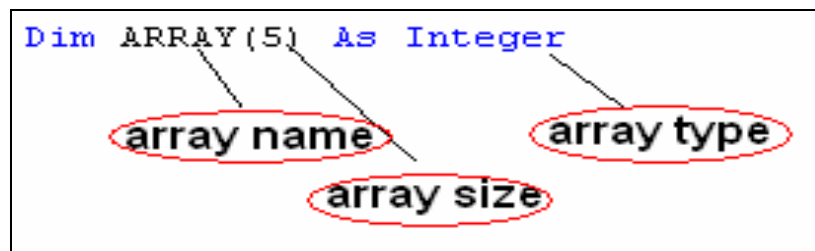
!!!

-:



.declaration

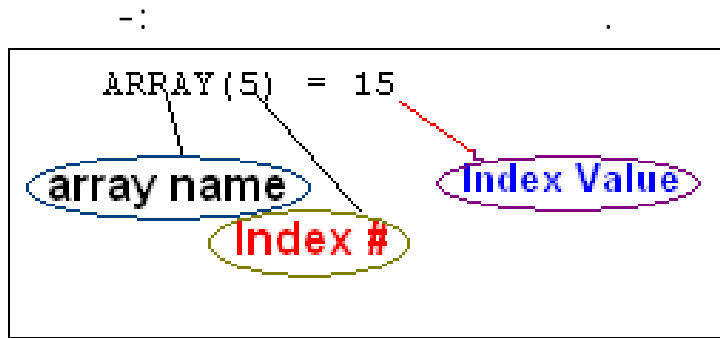
-:



- Integer

```

ARRAY(0) = 10
ARRAY(1) = 11
ARRAY(2) = 12
ARRAY(3) = 13
ARRAY(4) = 14
ARRAY(5) = 15
    
```



.LOOP



:-

Form1

Index 0 Show

Index 1 Show

Index 2 Show

Index 3 show

Index 4 Show

Index 5 Show

Show All Reset

Programmaer : mohammad hamayel

TextBox1.Text = ARRAY(0)

TextBox2.Text = ARRAY(1)

TextBox3.Text = ARRAY(2)

TextBox4.Text = ARRAY(3)

TextBox5.Text = ARRAY(4)

TextBox6.Text = ARRAY(5)

```

TextBox1.Text = ARRAY(0)
TextBox2.Text = ARRAY(1)
TextBox3.Text = ARRAY(2)
TextBox4.Text = ARRAY(3)
TextBox5.Text = ARRAY(4)
TextBox6.Text = ARRAY(5)
    
```

```

TextBox1.Text = ""
TextBox2.Text = ""
TextBox3.Text = ""
TextBox4.Text = ""
TextBox5.Text = ""
TextBox6.Text = ""
    
```

For Loop

```

/
( Counter ( DECLARE IT
-:

```

```

For counter = 0 To array.Length - 1
    array(counter) = counter
Next

```

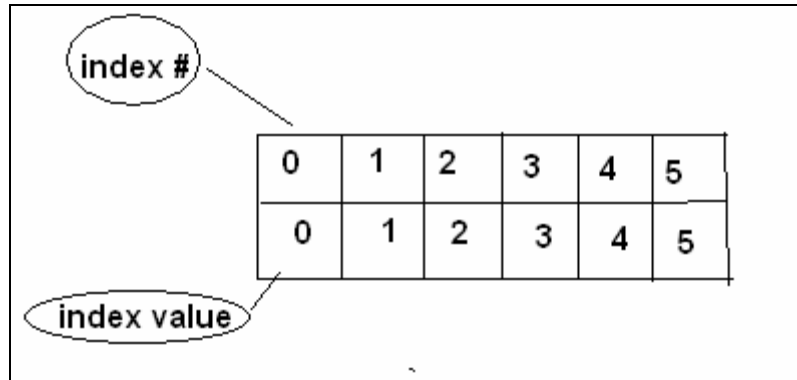
Index

Index

-:

The screenshot shows a Windows Form titled "Form1" with a standard Windows XP-style title bar. The form's background is a light beige color. On the left side, there is a label "values" in a small, black font. To the right of this label, there are six text boxes stacked vertically, each containing a number from 0 to 5. At the bottom center of the form, there is a button with the text "show" on it. The form has standard Windows window controls (minimize, maximize, close) in the top right corner.

Index



double array

فرضية

```
Dim array (2,2) as integer
```

```
Array (0,1) = 1
Array (0,2) = 2
Array (1,1) = 3
Array (1,2) = 4
Array (2,2) = 5
```

-:

	0	1	2
0			
1			
2			

-:

```
TextBox1.Text = array(0, 0)  
TextBox2.Text = array(0, 1)  
TextBox3.Text = array(0, 2)  
TextBox4.Text = array(1, 1)  
TextBox5.Text = array(1, 2)  
TextBox6.Text = array(2, 2)
```

-:

Textbox1.text = " "

Message Box

MsgBox ("", " ", " ")

1. Information MsgBox.
2. Yes, no MsgBox.
3. Abort, retry, ignore MsgBox.
4. Critical MsgBox.
5. Help MsgBox.
6. Yes, cancel MsgBox.

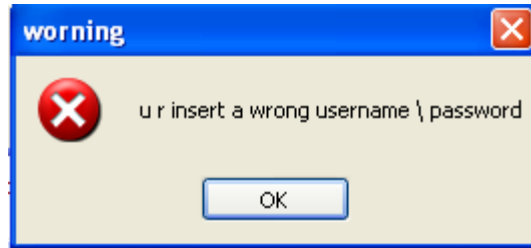
If...End

```

If (TextBox1.Text = "hamoda") Then
    If (TextBox2.Text = "2009") Then
        Form2.Show()

    End If
Else
    MsgBox("u r insert a wrong username \ password", MsgBoxStyle.Critical, "warning")
End If

```



```

Public Class Form1

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles Button1.Click
        If (TextBox1.Text = "manager") Then

            Dim option2 As MsgBoxResult = MsgBox("u inseart a correct
code, would u to continue", MsgBoxStyle.YesNo, "log in board")
            If option2 = MsgBoxResult.Yes Then
                Form2.Show()
                If option2 = MsgBoxResult.Cancel Then
                    End
                End If
            End If
        End If

    Else
        MsgBox("wrong code", MsgBoxStyle.Critical, "warning")

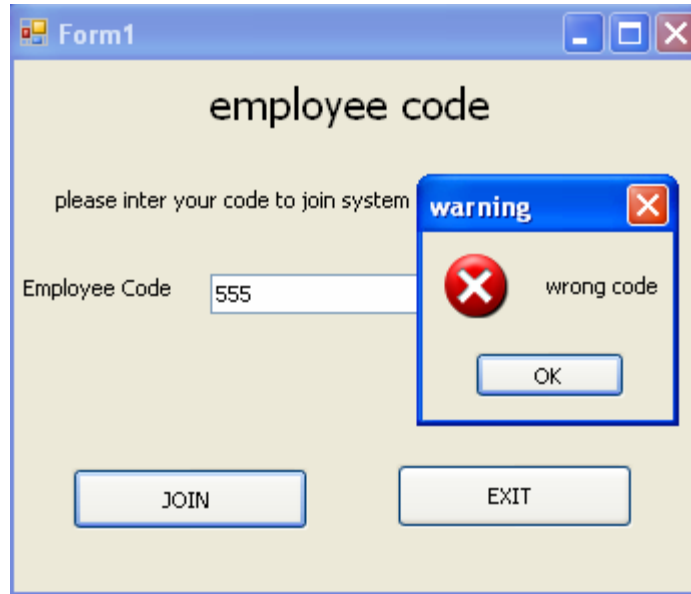
    End If
End Sub

```

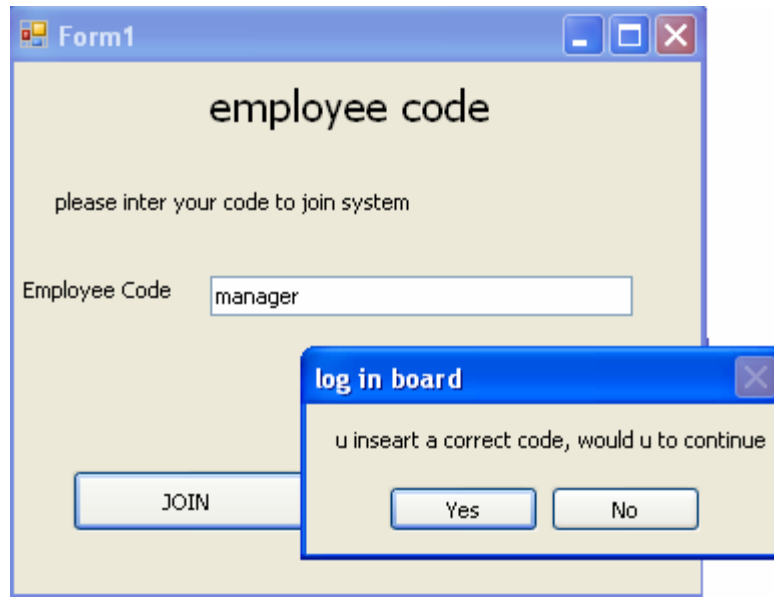
Code

Critical Box

Yes, No



-:



-:

Section Five

المتغيرات وأنواع البيانات

Variable & Data Type

Data Type

```
Dim var-name as Data-type
```

Var-Name

Data Type

1. Integer
2. String
3. Boolean
4. Decimal
5. double
6. Date
7. Single

Dim

-:

Reserved Word

Dim

-:



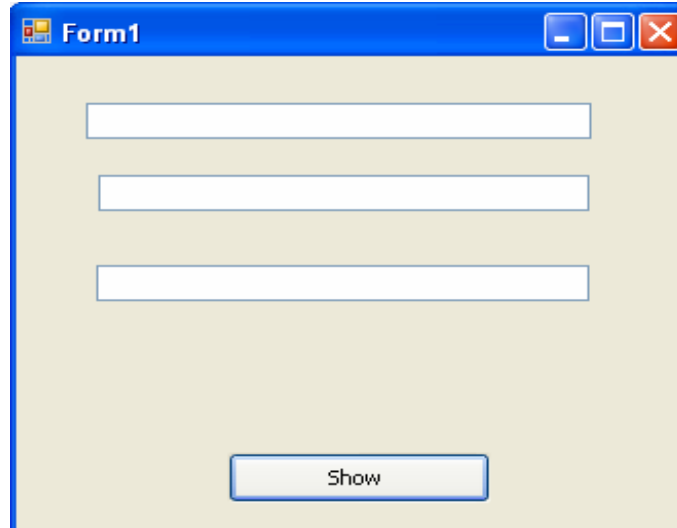
:

Dim Dim As Integer

-:

-:

- -



-:

```
Dim x As String
Dim y As String
Dim z As String

x = TextBox1.Text
y = TextBox2.Text
z = x & y
TextBox3.Text = z
```

-:_____

-:_____

.x,y,z / .

TextBox / .

.z x,z .

.TextBox3 z .

-:_____



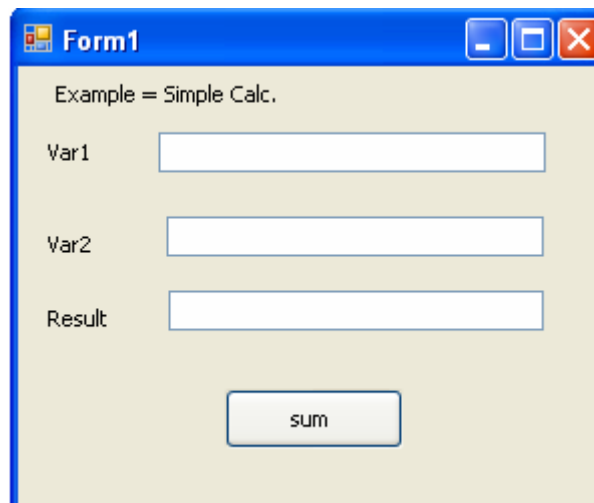
.(&) textbox3 texbox1 <=

-:

+		.
-		.
/		.
*		.
Mod		.

-:

	AND	.
	OR	.
	NOT	.
	XOR	.
	>	.
	<	.
	=	.



The screenshot shows a Windows form titled "Form1" with a blue title bar. The form's content area is light beige and contains the text "Example = Simple Calc." at the top. Below this text are three text boxes: "Var1", "Var2", and "Result". At the bottom center of the form is a button labeled "sum".

```
Dim VAR1 As String
Dim VAR2 As String
Dim VAR3 As String

Dim SUM As Integer
VAR1 = TextBox1.Text
VAR2 = TextBox2.Text
SUM = CInt (VAR1) * CInt (VAR2)
VAR3 = CStr (SUM)

TextBox3.Text = VAR3
```

-:

```

Public Class Form1

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

        Dim x As Integer
        Dim y As Integer
        x = TextBox1.Text
        y = TextBox2.Text

        If x > y Then
            TextBox3.Text = "the 1st number bigger than
2nd number"
        End If

        If x < y Then
            TextBox3.Text = "the 2nd number bigger than
1st number"
        End If

        If x = y Then
            TextBox3.Text = " both of then is equally"

        End If
    End Sub
End Class

```

y

x

first Probability

Form1

inseart the first no. second no. to compaqre between there

1st no. 5

2nd no. 4

Result the 1st number bigger than 2nd number

Show Result

Second Probability

Form1

inseart the first no. second no. to compaqre between there

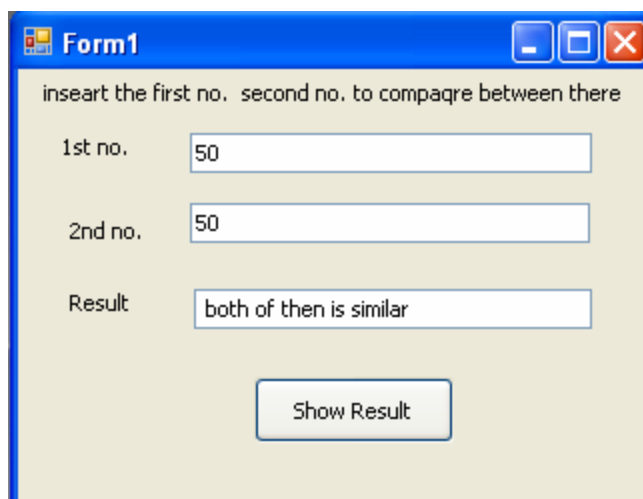
1st no. 6

2nd no. 50

Result the 2nd number bigger than 1st number

Show Result

third probability



Form1

inseart the first no. second no. to compaqre between there

1st no. 50

2nd no. 50

Result both of then is similar

Show Result

Section Sex

الدوال / التوابع البرمجية

واجزاء البرامج

Method :

Hide &

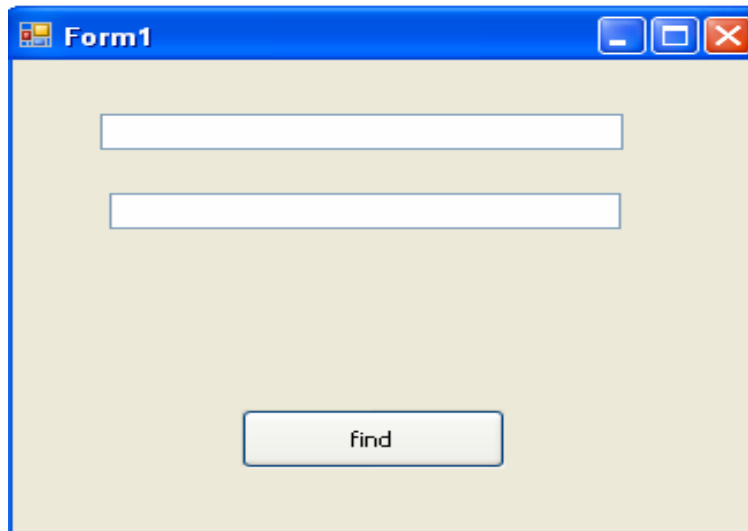
.Show

Val

- :

Integer-val = val(text parameter)

- :



- :

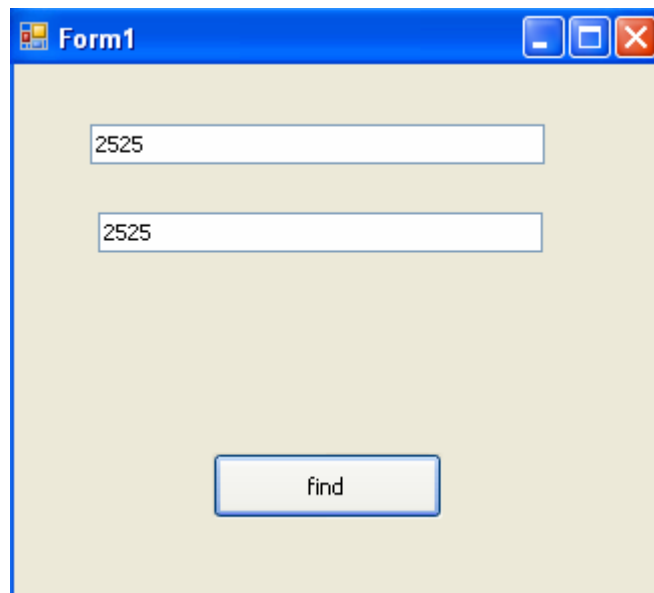
```

Public Class Form1

    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        Dim in1 As String
        Dim out1 As Integer

        in1 = TextBox1.Text
        out1 = Val(in1)
        TextBox2.Text = out1
    End Sub
End Class

```



function

```

Private Function variable(ByVal par1, ByVal par2,
ByVal par3 As data-type)
.....
.....
body of function
.....
End Function

```

()

-:

```

Public Class Form1
    Private Function avge(ByVal x, ByVal y, ByVal z
As Integer)
        avge = (x + y + z) / 3
        TextBox4.Text = avge
    End Function
    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        Dim X As Integer
        Dim Y As Integer
        Dim Z As Integer
        Dim SUM As Double

        X = TextBox1.Text
        Y = TextBox2.Text
        Z = TextBox3.Text

        SUM = X + Y + Z
    End Sub

```

-: Function

```
Public Class Form1

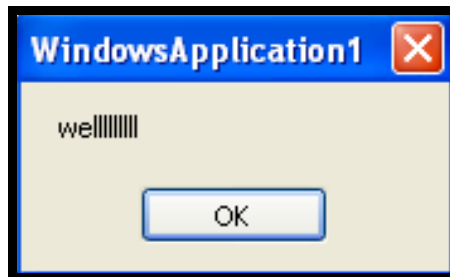
    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        MsgBox(test)
    End Sub
    Private Function test()
        test = "wellllllllll"
    End Function

End Class
```

Function

wellllllll

:-



!!!

/



```
Function FunctionName () as integer
FunctionName = "+++++"
End function
```

:-

/

```
Function disc(ByVal a As integer, ByVal b As
integer, ByVal c As integer) As Long
    disc = Math.Pow(b, 2) - 4 * a * c
End Function
```

(())

Math.Pow(b, 2)

b

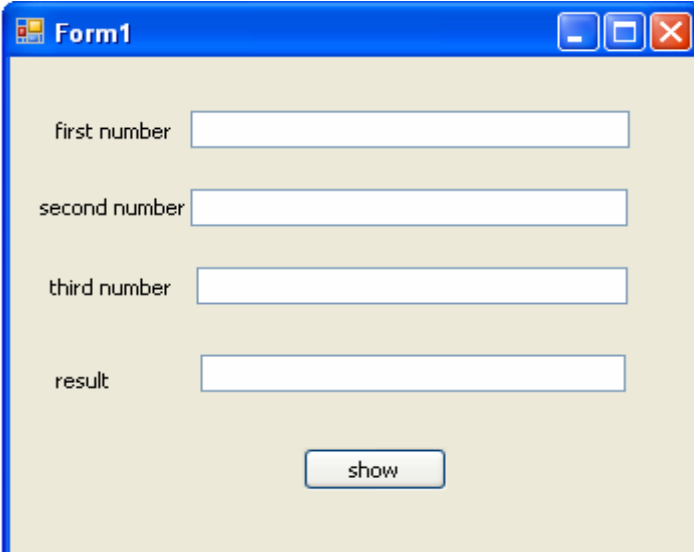
Call disc()

ErrorToString /

error 63

-:

-:



-:

```

Public Class Form1

    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        Dim x As Integer
        Dim y As Integer
        Dim z As Integer

        x = TextBox1.Text
        y = TextBox2.Text
        z = TextBox3.Text

        If x > y Then
            If x > z Then
                TextBox4.Text = "the maximum number
is:" & x
            End If
        End If
        If y > x Then
            If y > z Then
                TextBox4.Text = "the maximum number
is:" & y
            End If
        End If
        If z > x Then
            If z > y Then
                TextBox4.Text = "the maximum number
is:" & z
            End If
        End If
    End Sub
End Class

```

-:

```

Dim x As Integer
Dim y As Integer
Dim z As Integer

```


x textbox1
 y textbox2
 -: .z textbox3

```
x = TextBox1.Text
y = TextBox2.Text
z = TextBox3.Text
```

-: x>y>z x

```
If x > y Then
  If x > z Then
    TextBox4.Text = "the maximum number is:" & x
  End If
End If
```

y>x>z y
 -:

```
If y > x Then
  If y > z Then
    TextBox4.Text = "the maximum number is:" & y
  End If
End If
```

z>x>z z
 -:

```
If z > x Then
  If z > y Then
    TextBox4.Text = "the maximum number is:" & z
  End If
End If
```

(()) :

The screenshot shows a Windows-style window titled "Form1" with a blue title bar and standard minimize, maximize, and close buttons. The form has a light beige background. It contains four text boxes and one button. The first three text boxes are labeled "1 st", "2 nd", and "3 ed" on the left. The first text box contains the value "20", the second contains "02", and the third contains "22". Below these is a text box labeled "result" which contains the text "the maximum number is:22". At the bottom center is a button labeled "show". At the bottom left of the form, the text "programmer:mohammad hamayel" is displayed.

This screenshot shows the same "Form1" window as above, but the input fields are now empty. The "1 st" text box is empty, the "2 nd" text box is empty, and the "3 ed" text box is empty. The "result" text box is also empty. The "show" button and the programmer's name "programmer:mohammad hamayel" at the bottom left remain the same.

- :

```

Public Class Form1

    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        Dim v1 As Integer
        Dim v2 As Integer
        Dim v3 As Integer

        v1 = TextBox1.Text
        v2 = TextBox2.Text
        v3 = TextBox3.Text

        Call min(v1, v2, v3)

    End Sub
    Private Sub min(ByVal m1 As Integer, ByVal a As
Integer, ByVal b As Integer)
        If a > m1 Then
            m1 = a
        End If
        If b > m1 Then
            m1 = b
        End If
        TextBox4.Text = "the maximum number is:" & m1

    End Sub

End Class

```

-: _____

:

-:

```

Dim v1 As Integer
Dim v2 As Integer
Dim v3 As Integer

```

v1

textbox1

v2

textbox2

-:

.v3

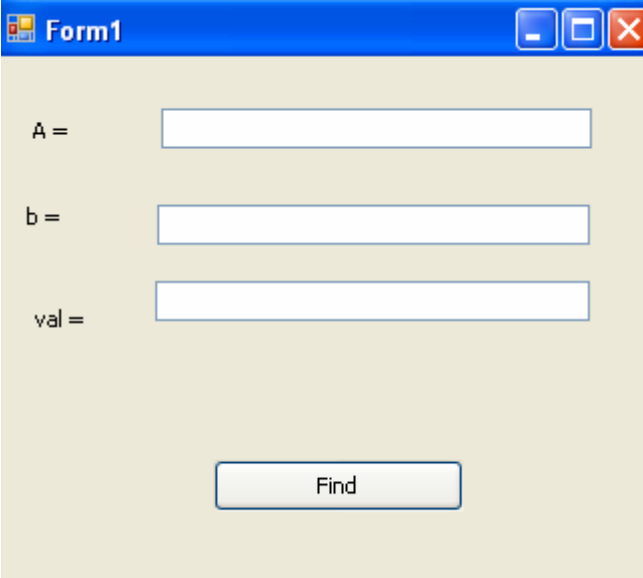
textbox3

```
V1 = TextBox1.Text  
V2 = TextBox2.Text  
V3 = TextBox3.Text
```

-:

```
Call min(v1, v2, v3)
```

x/y



The screenshot shows a standard Windows application window titled "Form1". The window has a blue title bar with minimize, maximize, and close buttons. The main area is light beige and contains three text boxes stacked vertically, each preceded by a label: "A =", "b =", and "val =". Below these text boxes is a single button labeled "Find".

-:

```

Public Class Form1

    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs)
Handles Button1.Click
        Dim a As Double
        Dim b As Double

        a = TextBox1.Text
        b = TextBox2.Text

        TextBox3.Text = a / b

    End Sub
End Class

```

ASCII

ASCII

String

ASC(expression)

-:

-:

```
Public Class Form1

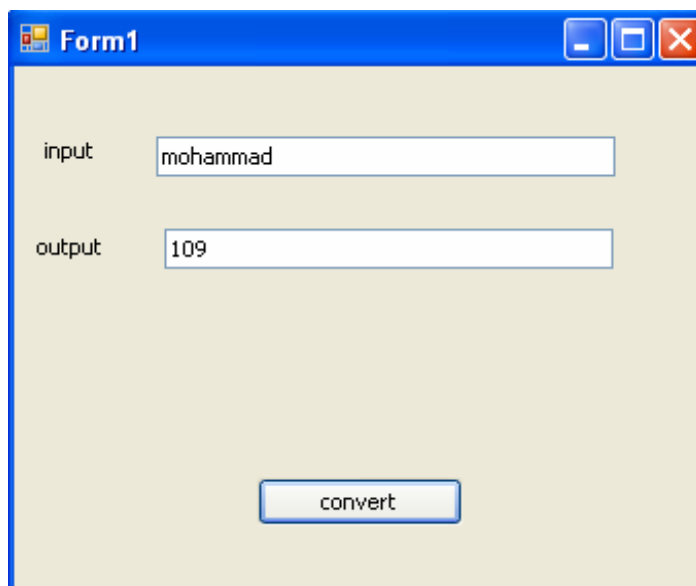
    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        Dim x As String
        Dim y As Integer

        x = TextBox1.Text
        y = Asc(x)

        TextBox2.Text = y

    End Sub
End Class
```

-:



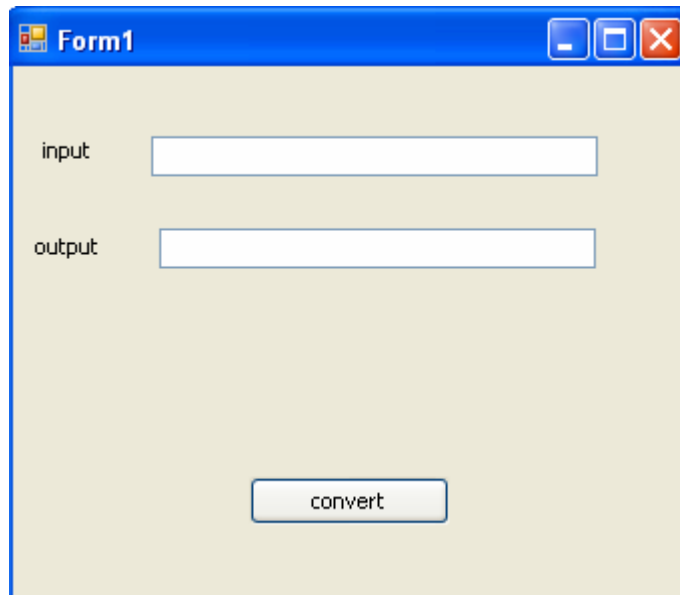
The screenshot shows a Windows application window titled "Form1". Inside the window, there are two text boxes. The first text box is labeled "input" and contains the text "mohammad". The second text box is labeled "output" and contains the text "109". Below these text boxes is a button labeled "convert". The window has a standard Windows title bar with minimize, maximize, and close buttons.

decimal

:

CDec(expression)

-:



-:

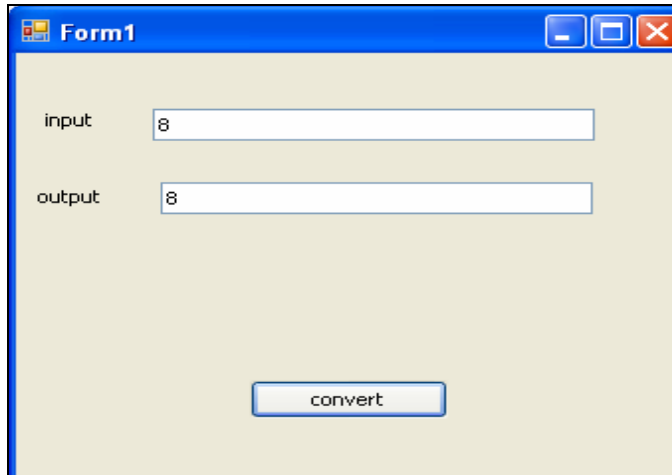
```
Public Class Form1

    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        Dim x As Decimal
        Dim y As Decimal

        x = TextBox1.Text
        y = CDec(x)

        TextBox2.Text = y

    End Sub
End Class
```

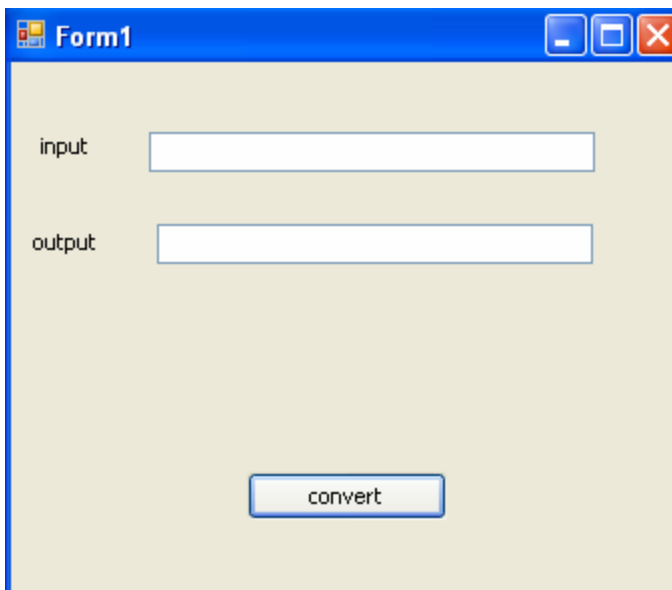


ASCII

ASCII

-:

ASC(expression)



-:


```
Public Class Form1

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

        Dim x As Integer
        Dim y As String

        x = TextBox1.Text
        y = Chr(x)

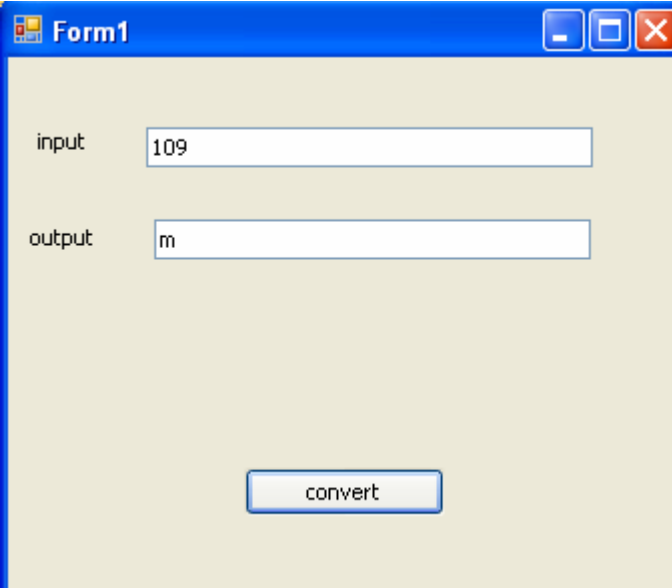
        TextBox2.Text = y
    End Sub
End Class
```

ASCII

mohammad

.m

.....



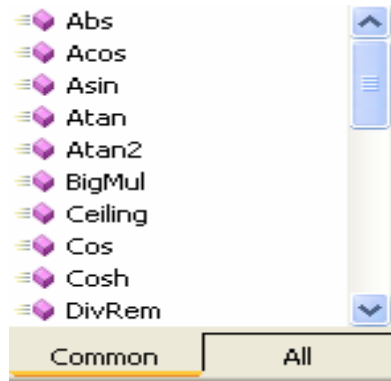
Form1

input 109

output m

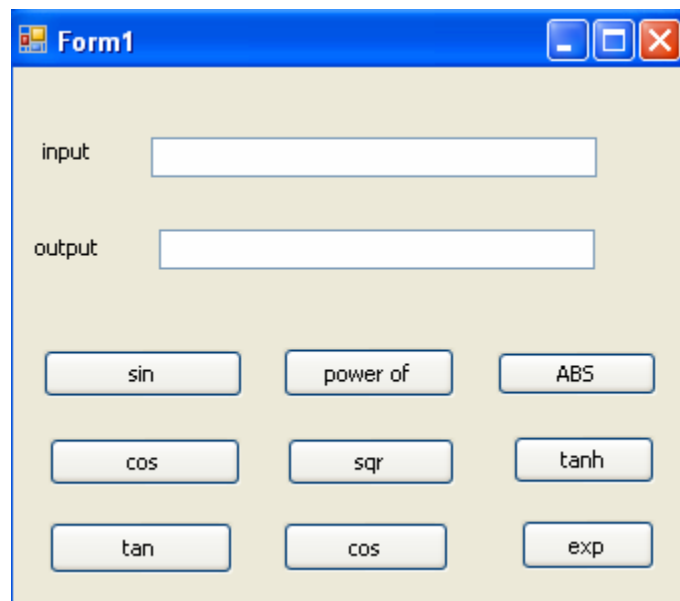
convert

math.(operation)



-:

-:



-:

xsinx		.
		.
		.
		.

	cos	.
e	exp	.
(/)	tan	.

1. SIN

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

    Dim x As Integer
    Dim y As String

    x = TextBox1.Text
    y = Math.Sin(x)

    TextBox2.Text = y

End Sub
```

2. COS

```
Private Sub Button2_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button2.Click

    Dim x As Double
    Dim y As Integer

    x = TextBox1.Text
    y = Math.Cos(x)

    TextBox2.Text = y

End Sub
```

3. TAN

```
Private Sub Button3_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button3.Click
    Dim x As Double
    Dim y As Integer

    x = TextBox1.Text
    y = Math.Tan(x)

    TextBox2.Text = y
End Sub

End Class
```

4. POWER OF 2

```
Private Sub Button4_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button4.Click
    Dim x As Double
    Dim y As Double

    x = TextBox1.Text
    y = Math.Pow(2, x)

    TextBox2.Text = y
End Sub
```

5. SQUARE ROOT

```
Private Sub Button5_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button5.Click
    Dim x As Double
    Dim y As Integer

    x = TextBox1.Text
    y = Math.Sqrt(x)

    TextBox2.Text = y
End Sub
```

6. ABSOLUTE VALUE

```
Private Sub Button7_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button7.Click
    Dim x As Integer
    Dim y As Integer

    x = TextBox1.Text
    y = Math.Abs(x)

    TextBox2.Text = y
End Sub
```

7. TANSH

```
Private Sub Button8_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button8.Click
    Dim x As Integer
    Dim y As Integer

    x = TextBox1.Text
    y = Math.Tanh(x)

    TextBox2.Text = y
End Sub
```

8. EXPONENTIAL

```
Private Sub Button9_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button9.Click
    Dim x As Integer
    Dim y As String

    x = TextBox1.Text
    y = Math.Exp(x)

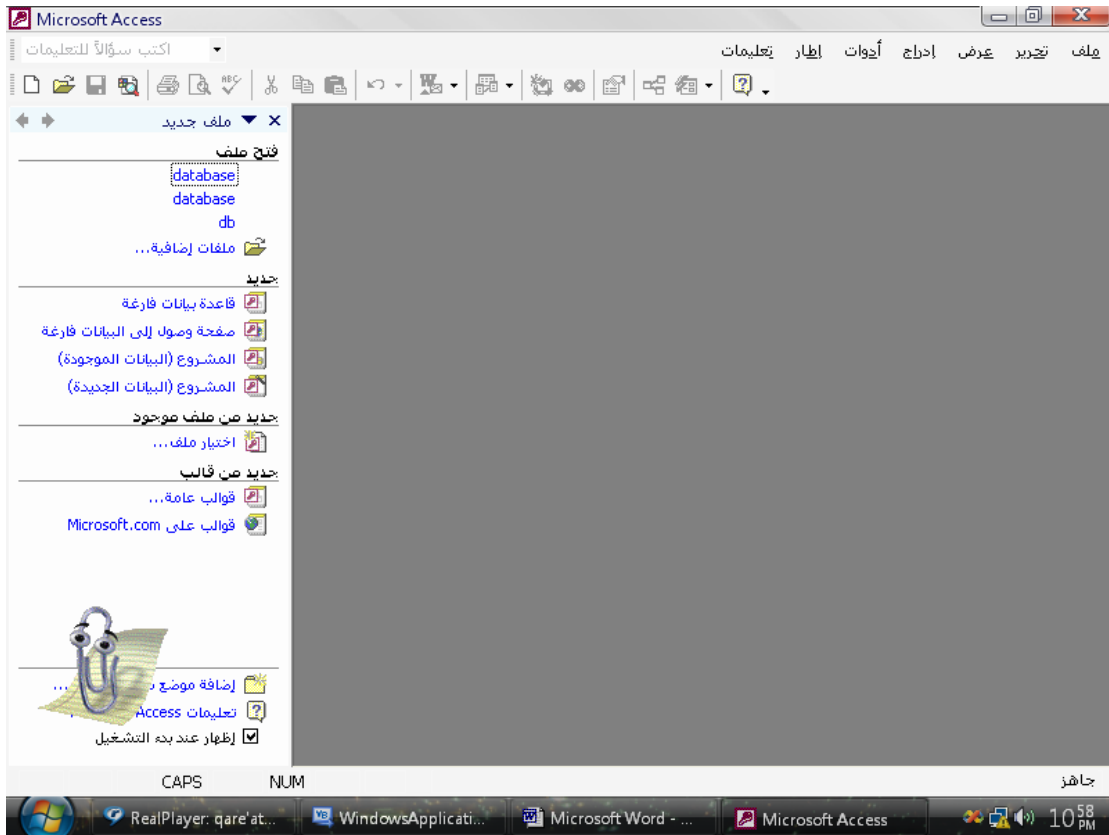
    TextBox2.Text = y
End Sub
```

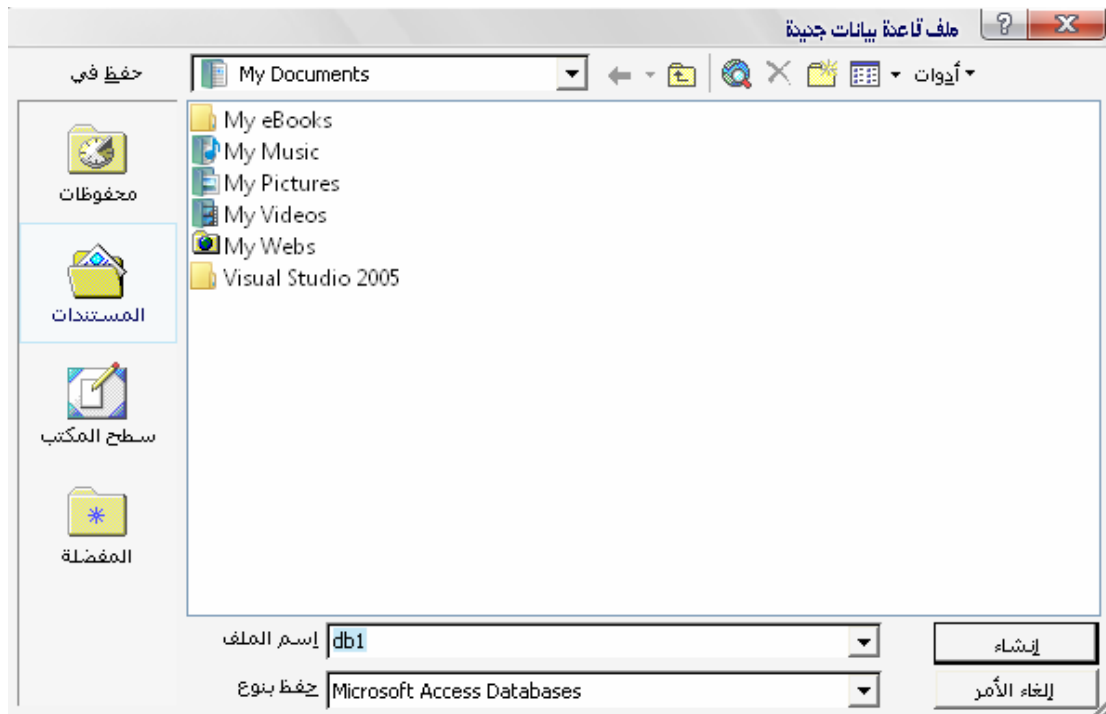
Section Seven

Connection with Database

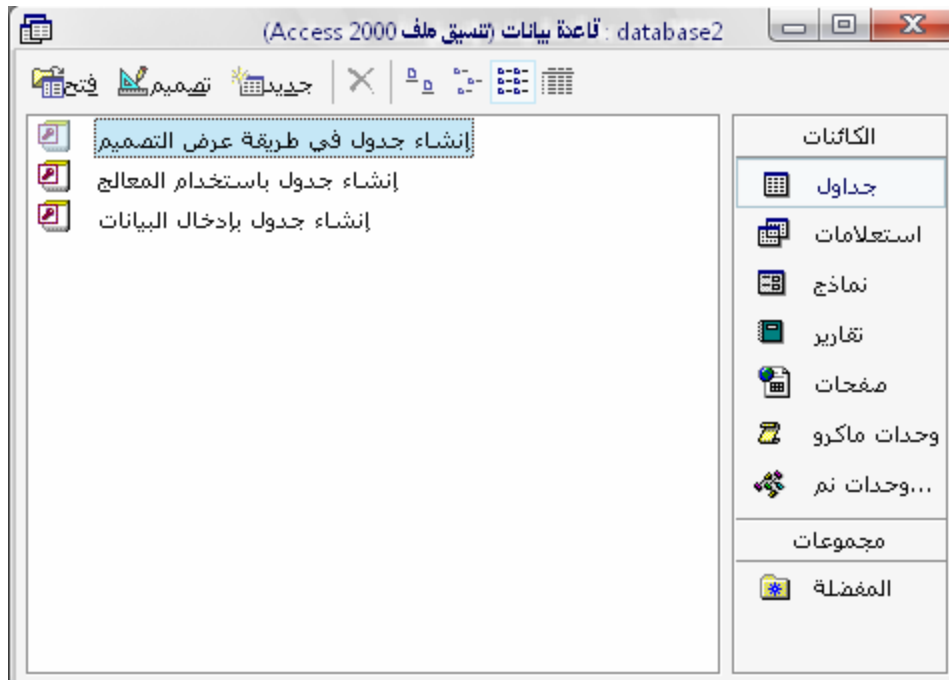
 Data Connections



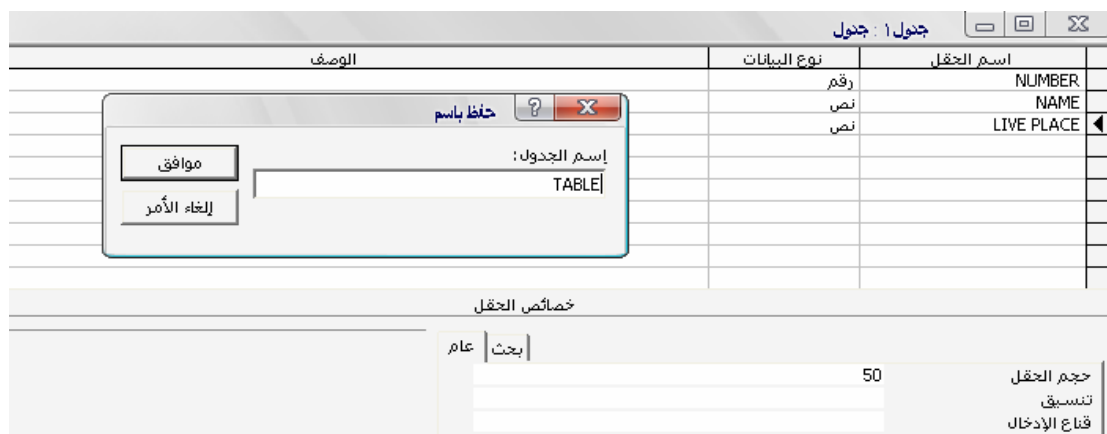




-:



-:



-:

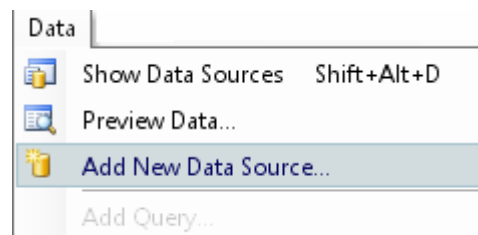


-:

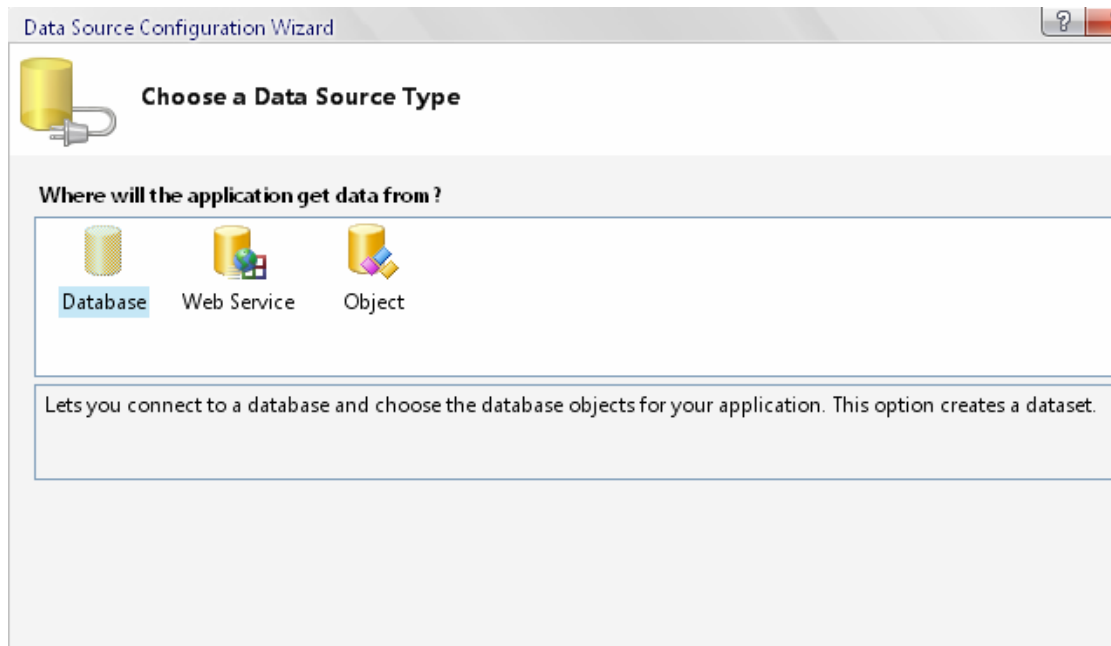
TABEL1

TABEL1 : جدول

	NUMBER	NAME	LIVE PLACE
✍	1	MOHAMMAD	PALESTINE
*	0		

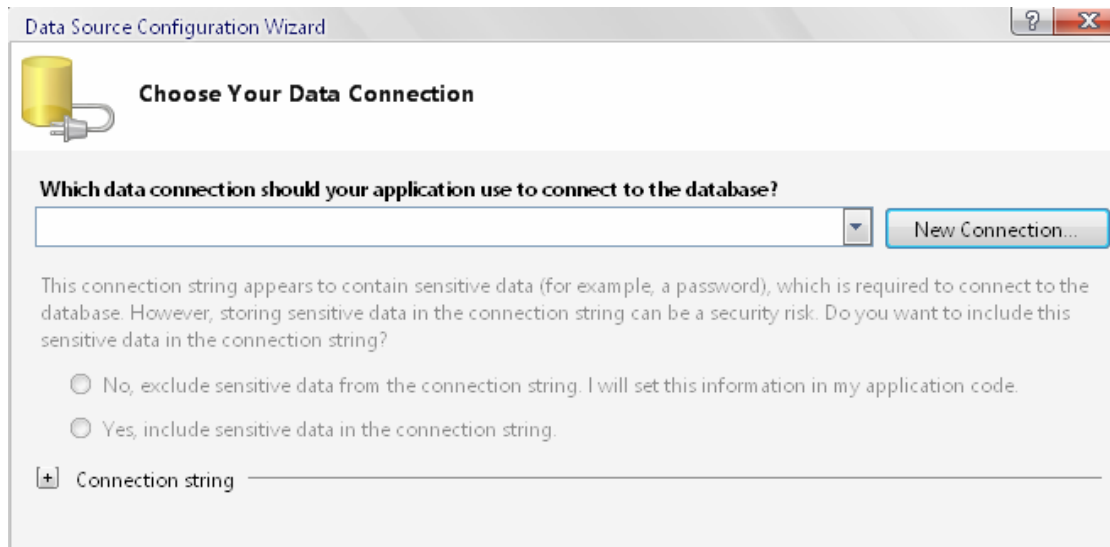


- :



Next

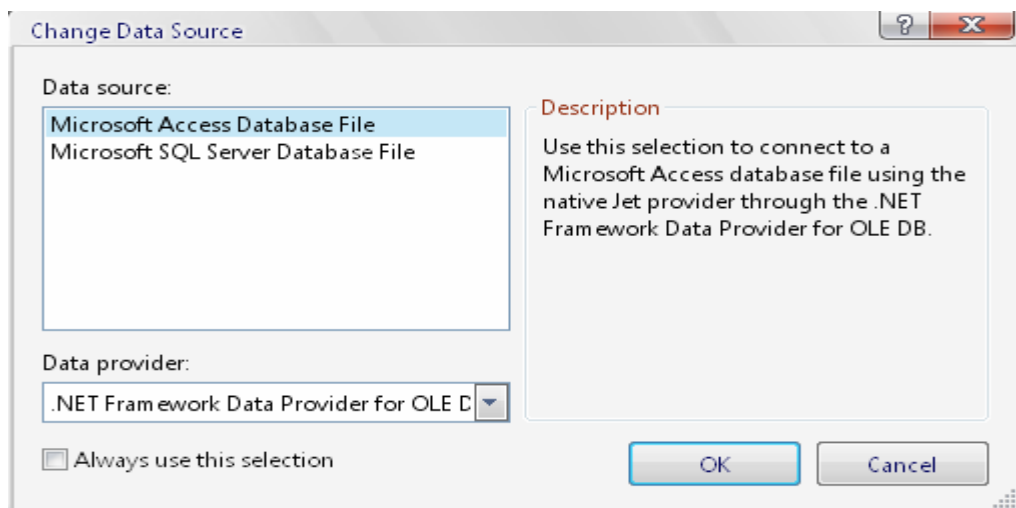
Database



Change

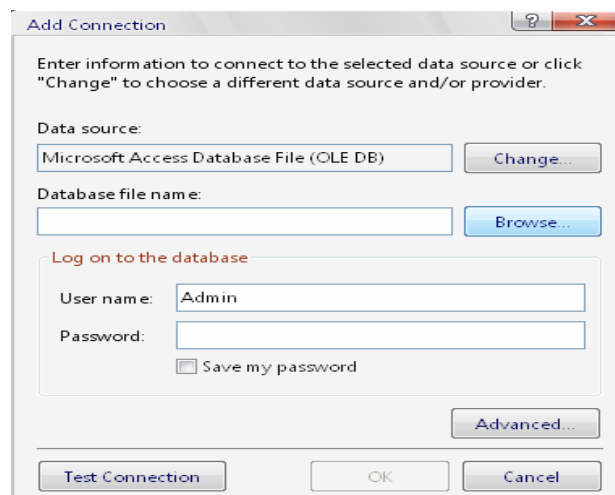
New Connection

- :



Microsoft Access Database File

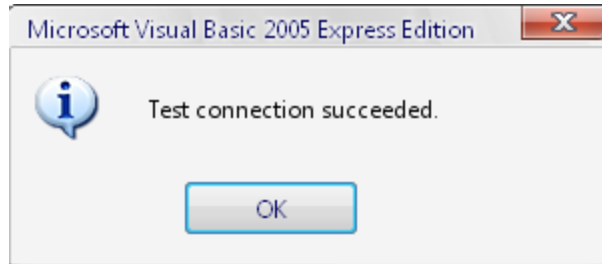
Ok



Browse

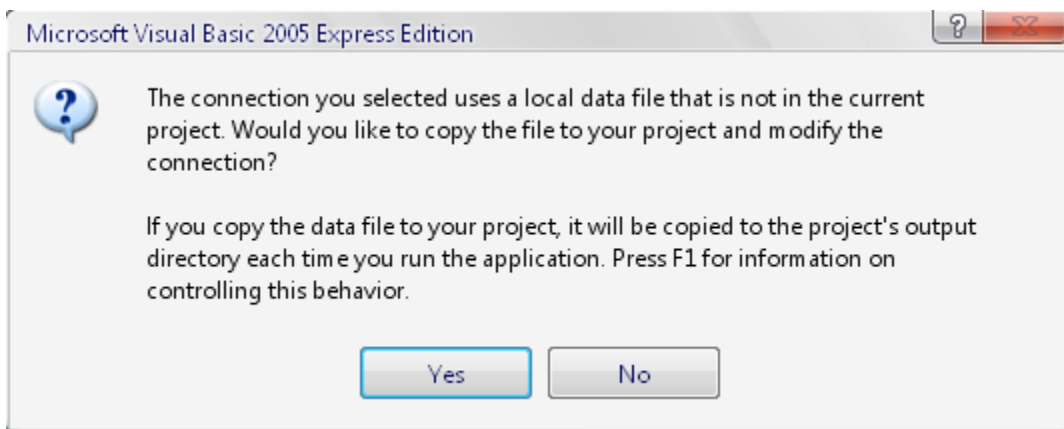
-:

Test Connection



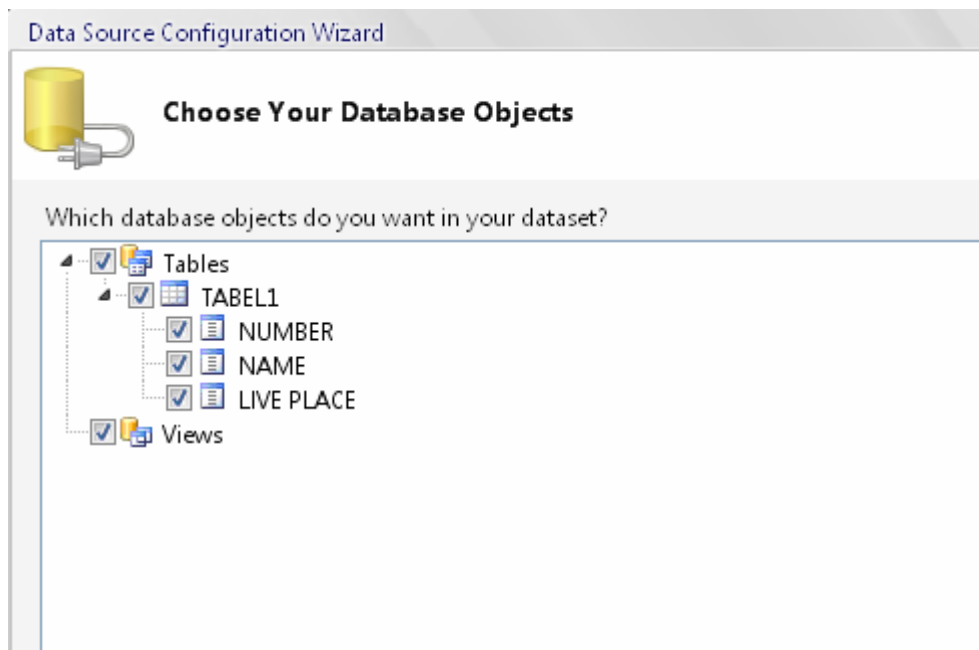
-:

Ok



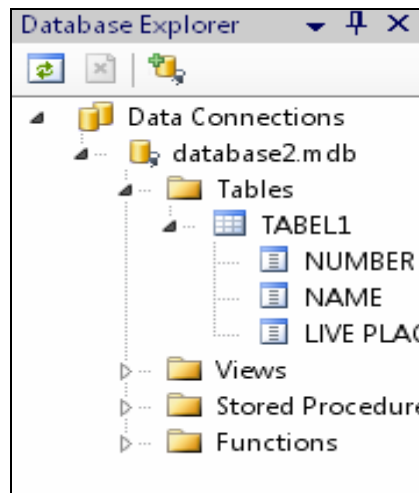
Ok

:



.Finish

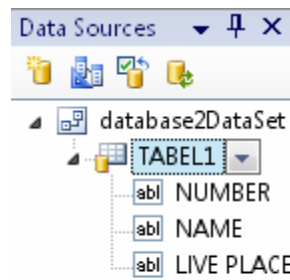
-: Database Explorer



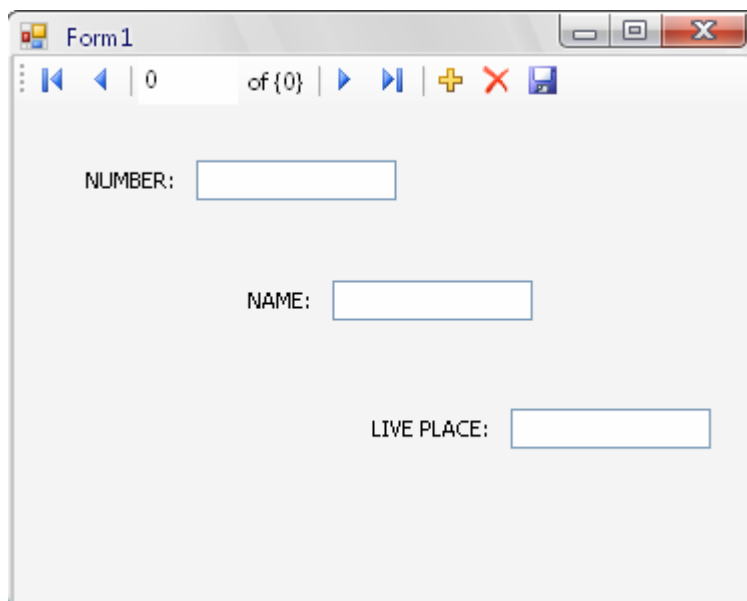
Data Source

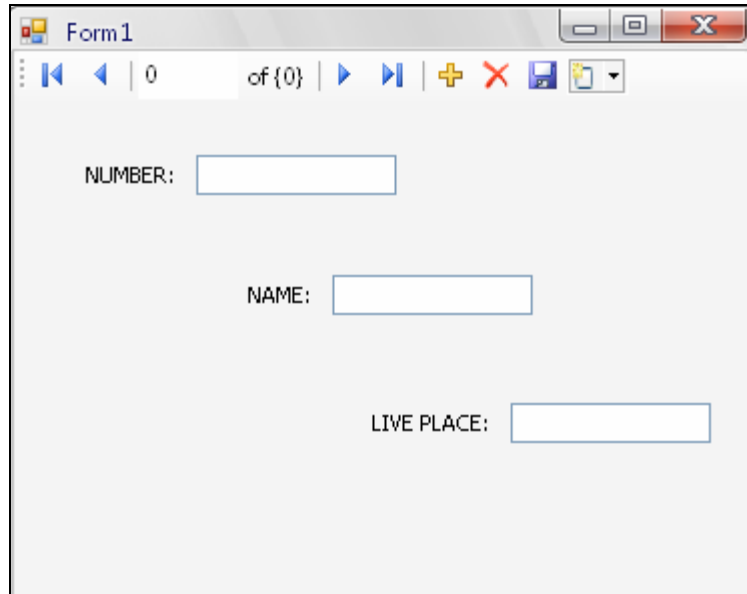
Data Design

-: Data Source



-: :

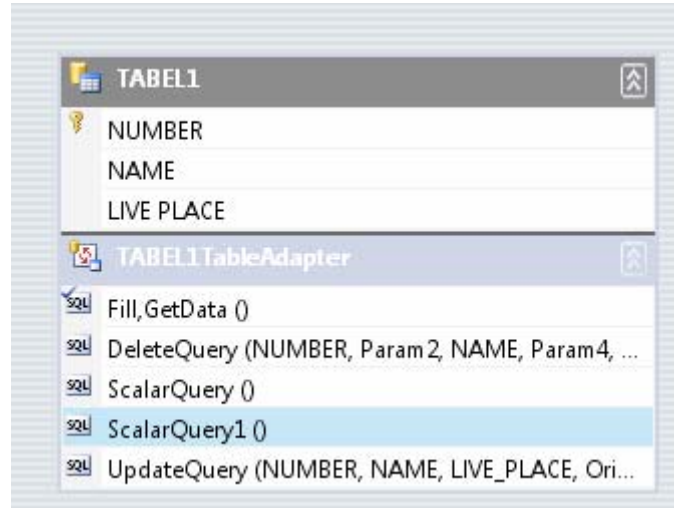


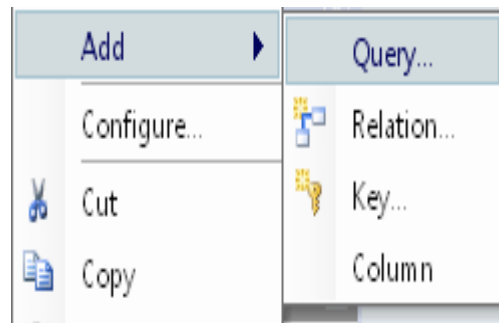


Data Source

edite dataset with designer

-:





-:

TableAdapter Query Configuration Wizard

Choose a Query Type

Choose the type of query to be generated

What type of SQL query would you like to use?

SELECT which returns rows
Returns one or many rows or columns.

SELECT which returns a single value
Returns a single value (for example, Sum, Count, or any other aggregate function).

UPDATE
Changes existing data in a table.

DELETE
Removes rows from a table.

INSERT
Adds a new row to a table.

Section Eight

Intrudaction to Graphics

BY Visual Basic.NET

مقدمة في الرسم في الفيجوال بيك دوت نت



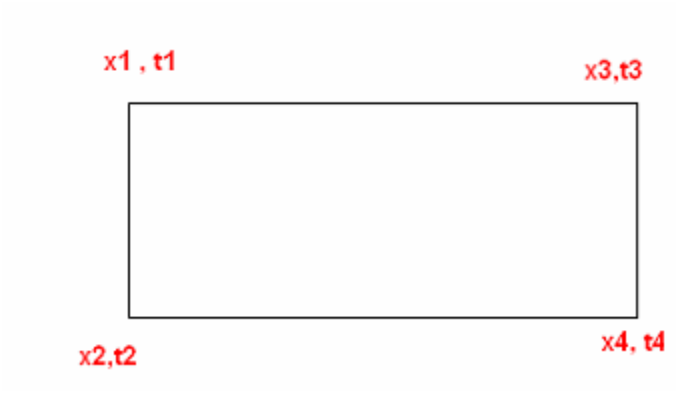
m.hamayez@yahoo.com

.

_____ :

_____ (

- :



!!.

.

- :

method

Variable.drawLine(line color, x,y,z,q)

x,y,z,q

- :

_____ - :



- :

.

1. (x1,y1,x2,y2)
2. (z1,q1,z2,q2)
3. (c1,n1,c2,n2)
4. (a1,b1,a2,b2)

(+)

(+)

-:

x1 = x2
z1 = z2
y1 = q1
y2 = q2

n1 = n2
b1 = b2
c1 = a1
c2 = a2

x1 = c1
y1 = n1
z2 = a2
q2 = b2

-:



-:

```
Imports System.Drawing

Public Class Form1

Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
    Dim r As Graphics = Me.CreateGraphics

    r.DrawLine(Pens.Blue, 50, 150, 50, 100)
    r.DrawLine(Pens.Blue, 300, 150, 300, 100)

    r.DrawLine(Pens.LightSeaGreen, 50, 150, 300, 150)
    r.DrawLine(Pens.Red, 50, 100, 300, 100)

    End Sub
End Class
```

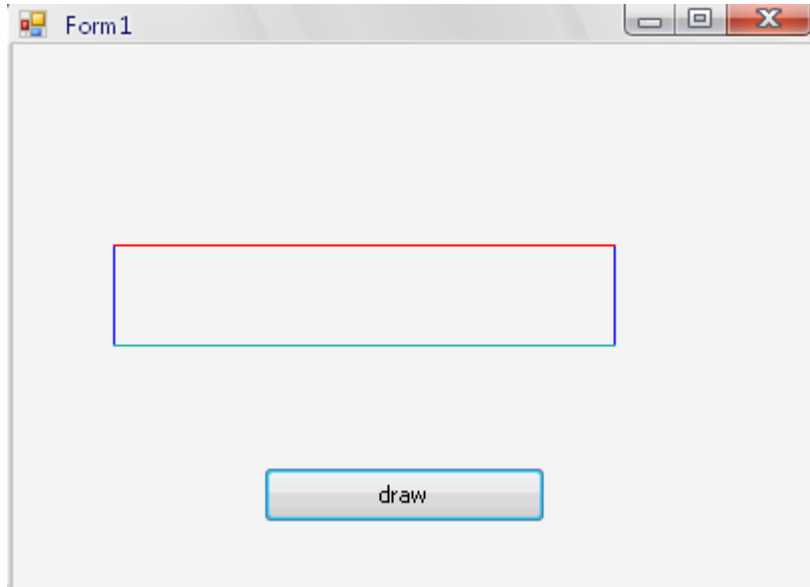
```
Imports System.Drawing
```

```
Dim r As Graphics = Me.CreateGraphics
```

```
r.DrawLine(Pens.Blue, 50, 150, 50, 100)
r.DrawLine(Pens.Blue, 300, 150, 300, 100)
```

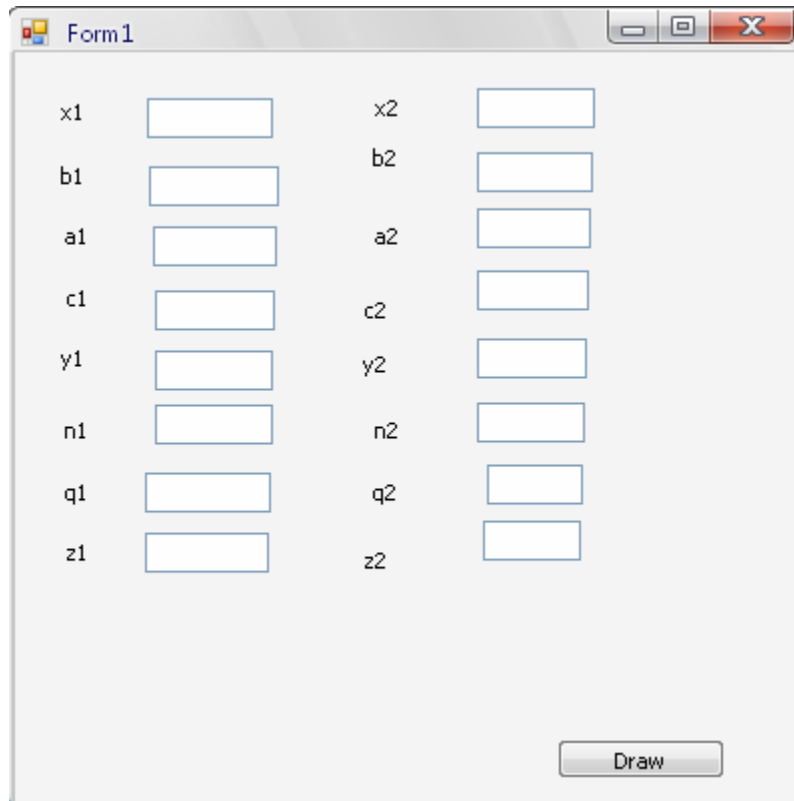
```
r.DrawLine(Pens.LightSeaGreen, 50, 150, 300, 150)
r.DrawLine(Pens.Red, 50, 100, 300, 100)
```

-:



!!!

-:



-:

```
Imports System.Drawing

Public Class Form1

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

        Dim x1, x2 As Integer
        Dim y1, y2 As Integer
        Dim z1, z2 As Integer
        Dim c1, c2 As Integer
        Dim q1, q2 As Integer
        Dim n1, n2 As Integer
        Dim a1, a2 As Integer
        Dim b1, b2 As Integer

        x1 = TextBox1.Text
        x2 = TextBox2.Text
        b1 = TextBox3.Text
        b2 = TextBox4.Text
        a1 = TextBox5.Text
        a2 = TextBox6.Text
        c1 = TextBox7.Text
        c2 = TextBox8.Text
        y1 = TextBox9.Text
        y2 = TextBox10.Text
        n1 = TextBox11.Text
        n2 = TextBox12.Text
        q1 = TextBox13.Text
        q2 = TextBox14.Text
        z1 = TextBox15.Text
        z2 = TextBox16.Text
        Dim r As Graphics = Me.CreateGraphics

        r.DrawLine(Pens.Blue, x1, y1, x2, y2)
        r.DrawLine(Pens.Blue, z1, q1, z2, q2)

        r.DrawLine(Pens.LightSeaGreen, c1, n1, c2, n2)
        r.DrawLine(Pens.Red, a1, b1, a2, b2)

    End Sub
End Class
```

:

```

If TextBox1.Text & TextBox2.Text & TextBox3.Text
& TextBox4.Text & TextBox5.Text & TextBox6.Text &
TextBox7.Text & TextBox8.Text & TextBox9.Text &
TextBox10.Text & TextBox11.Text & TextBox12.Text &
TextBox13.Text & TextBox14.Text & TextBox15.Text &
TextBox16.Text = "" Then
    MsgBox("u forget one \ all coordinate, u
must fill it", MsgBoxStyle.Critical)

End If

```

-: ()

x1	50	x2	50
b1	100	b2	100
a1	50	a2	300
c1	50	c2	300
y1	150	y2	100
n1	150	n2	150
q1	150	q2	100
z1	300	z2	300

Draw

-: _____

x1	50	x2	50
b1	100	b2	100
a1	50	a2	300
c1	50	c2	300
y1	150	y2	100
n1	150	n2	150
q1	150	q2	100
z1	300	z2	300

Draw

-:

x1		x2	
b1		b2	
a1		a2	
c1		c2	
y1		y2	
n1		n2	
q1			
z1			

WindowsApplication1

u forget one \ all coordinate, u must fill it

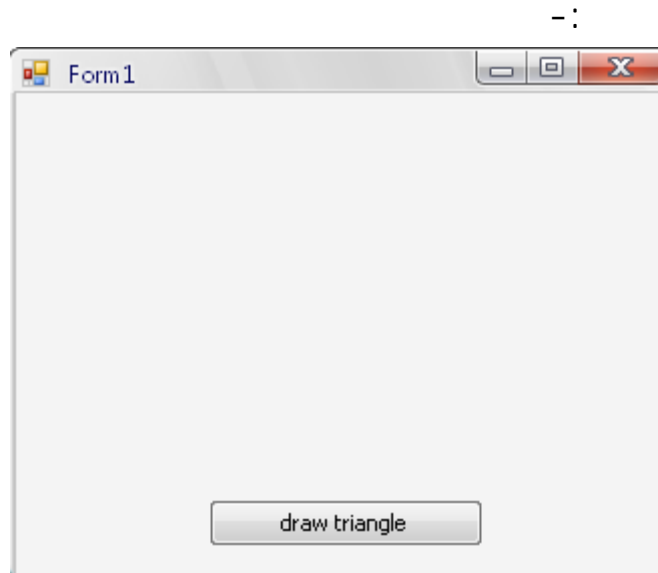
OK

Draw

-:



(



-:

```
Imports System.Drawing

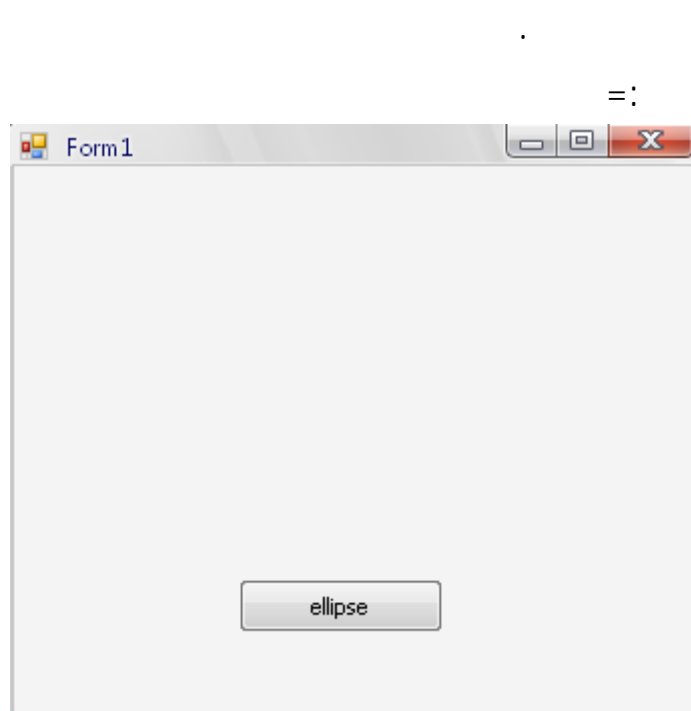
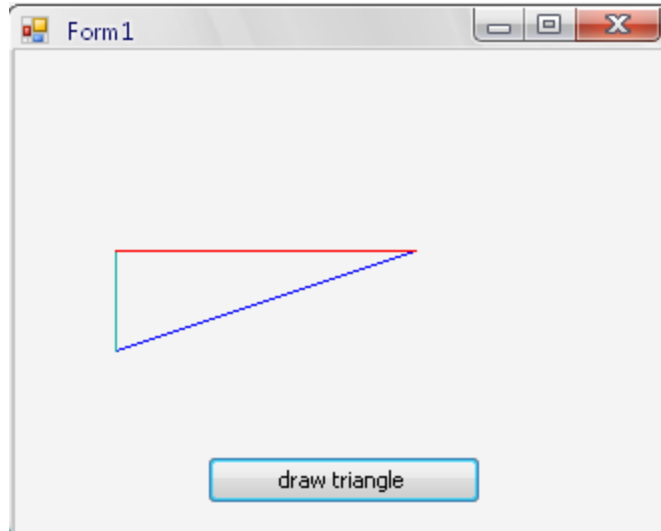
Public Class Form1

    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        Dim r As Graphics = Me.CreateGraphics

        r.DrawLine(Pens.Blue, 50, 150, 200, 100)
        r.DrawLine(Pens.LightSeaGreen, 50, 150, 50, 100)
        r.DrawLine(Pens.Red, 50, 100, 200, 100)

    End Sub
End Class
```

:

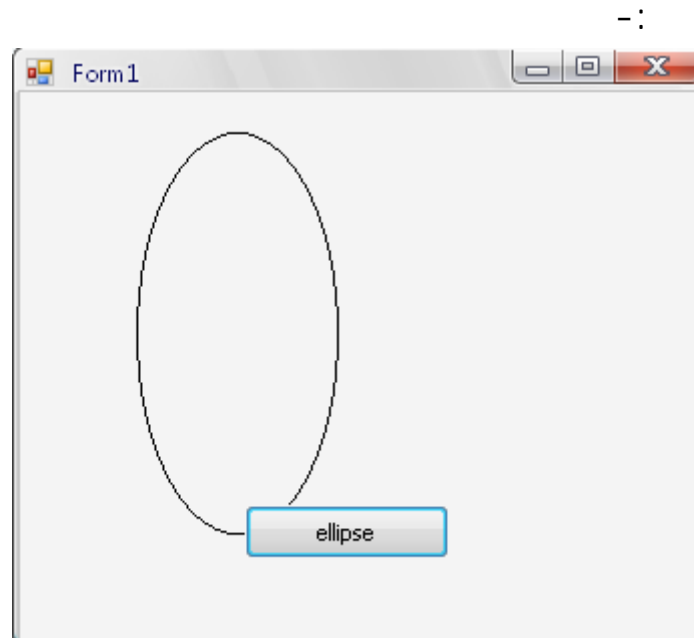


-:

```
Imports System.Drawing
Public Class Form1
    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click

        Dim r As Graphics = Me.CreateGraphics
        Dim mypen As New Pen(Color.Blue, 2)
        r.DrawEllipse(Pens.Black, 58, 20, 100, 200)

    End Sub
End Class
```

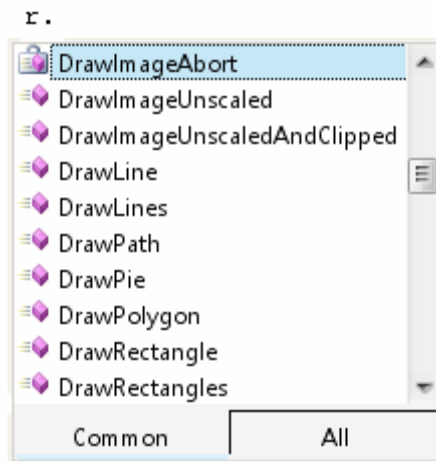
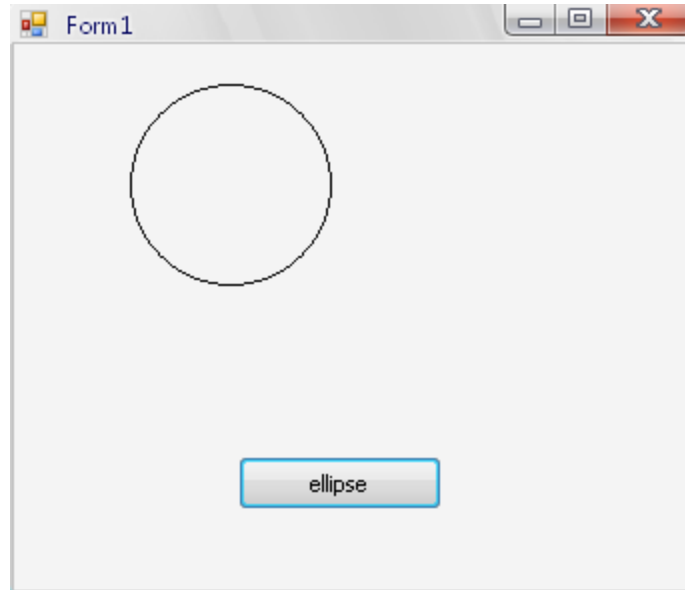


x2,y2

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

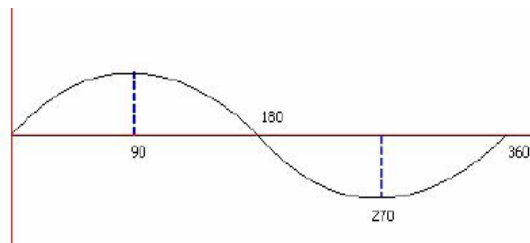
        Dim r As Graphics = Me.CreateGraphics
        Dim mypen As New Pen(Color.Blue, 2)
        r.DrawEllipse(Pens.Black, 58, 20, 100, 200)

    End Sub
End Class
```

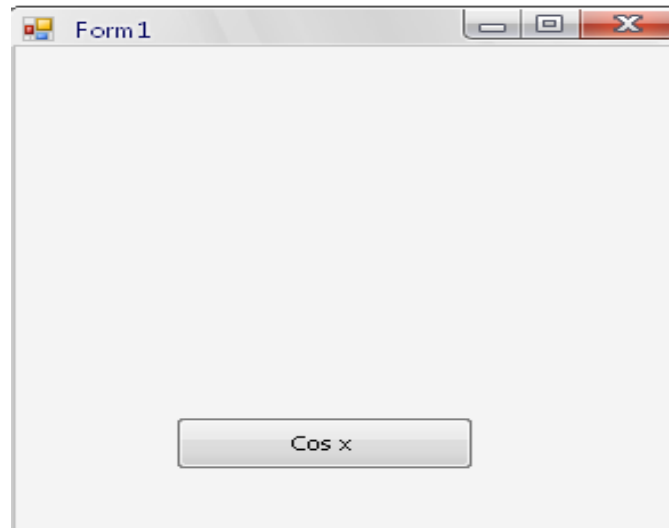


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```
Imports System.Drawing
Public Class Form1

    Private Sub Button1_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles Button1.Click
        Dim r As Graphics = Me.CreateGraphics
        Dim shape As New Pen(Color.DarkCyan)
        shape.DashStyle = Drawing2D.DashStyle.Custom
        r.DrawLine(shape, 150, 150, 150, 105)
        r.DrawLine(shape, 350, 150, 350, 195)
        r.DrawLine(Pens.Red, 50, 250, 50, 50)
        r.DrawLine(Pens.Red, 50, 150, 500, 150)
        r.DrawBezier(Pens.Black, 50, 150, 150, 50, 250, 150,
250, 150)
        r.DrawBezier(Pens.Black, 250, 150, 350, 250, 450, 150,
450, 150)
        r.DrawLine(Pens.Pink, 20, 300, 20, 300)

    End Sub
End Class
```

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        .(( )) Sinx (
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```



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```
Imports system.Drawing

Public Class Form1

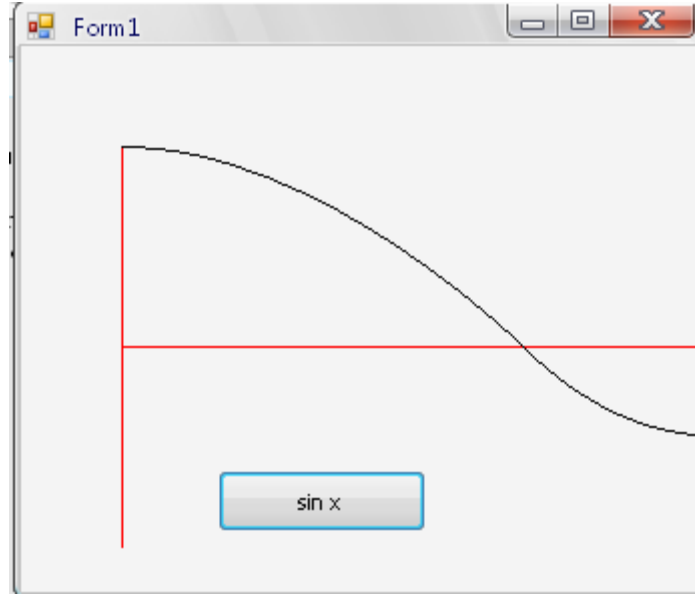
    Private Sub Button1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
Button1.Click

        Dim r As Graphics = Me.CreateGraphics
        Dim mypen As New Pen(Color.Blue, 2)
        mypen.DashStyle = Drawing2D.DashStyle.Dash

        r.DrawLine(Pens.Red, 50, 250, 50, 50)
        r.DrawLine(Pens.Red, 50, 150, 500, 150)
        r.DrawBezier(Pens.Black, 50, 50, 150, 50,
250, 150, 250, 150)
        r.DrawBezier(Pens.Black, 250, 150, 350, 250,
450, 150, 450, 150)

    End Sub
End Class
```

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الى هنا نكون قد اختتمنا، - ويحمد من الله - الجزء الأول من

البرمجة بلغة الفيجيوال بيسك دوت نت

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