تدريب عملى

تنظيم الملفات

Visual Studio + SQL-Server

Visual Basic with SQL App

SQL Server:

Drop database db

Create database db

Use db

Create table student (id int primary key,name varchar(50),city varchar(50))

VB.NET:

```vbnet
Imports System.Data.SqlClient
Public Class Form1
Dim conn As SqlConnection
Dim da As SqlDataAdapter
Dim ds As DataSet = New DataSet()
```
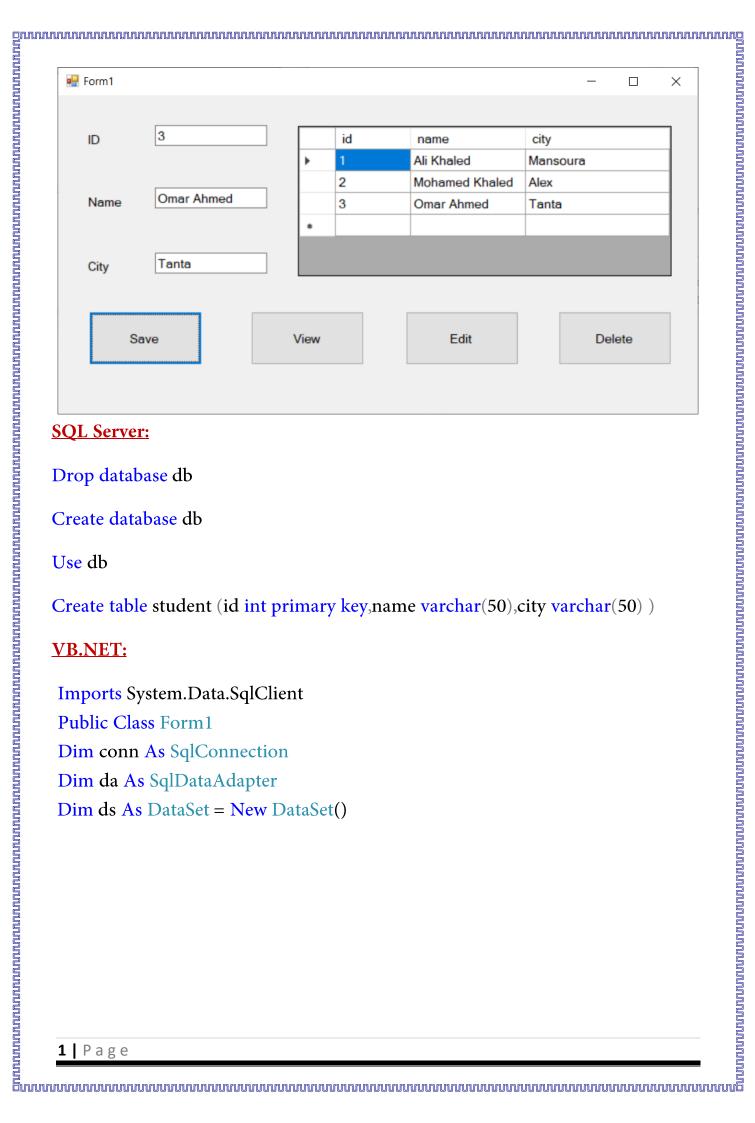
Form load

```vb
Private Sub Form1_Load()
    Dim strconnection As String = "data source=DESKTOP-HDDD7SC;
                                   initial catalog=db; integrated security=true"
    conn = New SqlConnection(strconnection)
    conn.Open()
    da = New SqlDataAdapter("select * from student", conn)
    Dim x As New SqlCommandBuilder(da)
    da.Fill(ds, "student")
    DataGridView1.DataBindings.Add("datasource", ds, "student")
End Sub
```

Adding a new student to the table (Save Button)

```vb
Private Sub Button1_Click()
    Dim r As DataRow = ds.Tables("student").NewRow()
    r("id") = Val(TextBox1.Text)
    r("name") = TextBox2.Text
    r("city") = TextBox3.Text
    ds.Tables("student").Rows.Add(r)
    da.Update(ds, "student")
End Sub
```

View any student data in the table. (View Button)

```vb
Private Sub Button2_Click()
    Dim r As DataRow
    For Each r In ds.Tables("student").Rows
        If r("id") = Val(TextBox1.Text) Then
            TextBox2.Text = r("name")
            TextBox3.Text = r("city")
        End If
    Next
End Sub
```

Update any student data in the table. (Update Button)

```vb
Private Sub Button3_Click()
    Dim r As DataRow
    Dim x As Integer
    For Each r In ds.Tables("student").Rows
       If r("id") = Val(TextBox1.Text) Then
          x = MsgBox("Are you Sure to edit student", MsgBoxStyle.OkCancel)
          If x = 1 Then
             r("name") = TextBox2.Text
             r("city") = TextBox3.Text
             da.Update(ds, "student")
          End If
       End If
    Next
End Sub
```

Removing a row from the table (Delete Button)

```vb
Private Sub Button4_Click()
    Dim r As DataRow
    Dim x As Integer
    For Each r In ds.Tables("student").Rows
       If r("id") = Val(TextBox1.Text) Then
          x = MsgBox("Are you Sure to delete student", MsgBoxStyle.OkCancel)
          If x = 1 Then
             r.Delete()
          End If
       End If
    Next
    da.Update(ds, "student")
End Sub

End Class
```