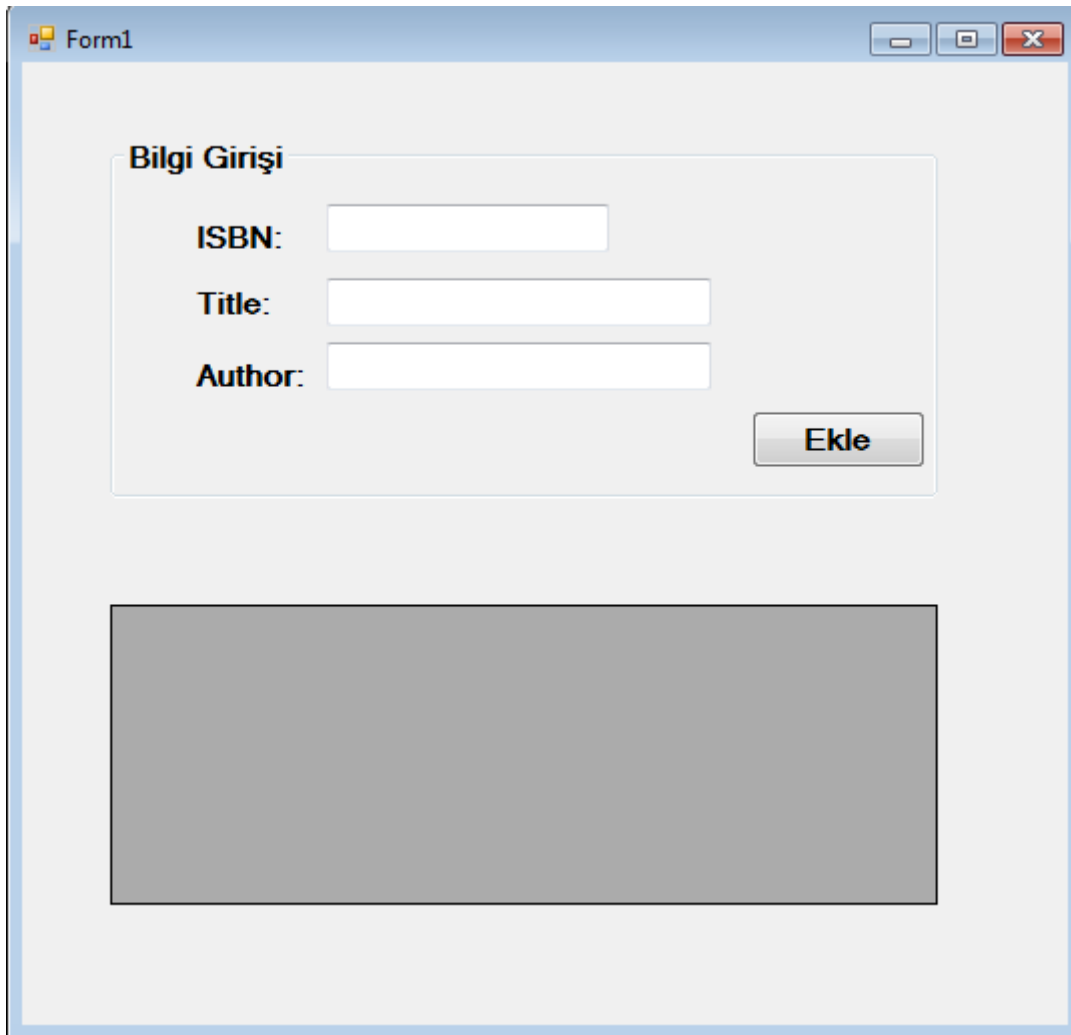


## Ders4 – Veritabanına Bilgi Girişi ve yeni tablo yaratma

### Uygulama4 – Bilgi Girişi (insert into) RnrBooks veritabanı kullanılacak



```
Imports System.Data.SqlClient
Public Class Form1
    Dim cnn As New SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=""C:\Users\sct\Documents\DERSLER\BTEP21
0\bahar 18-19\RnrBooks.mdf"";Integrated Security=True;Connect Timeout=30")
    Dim cmd As New SqlCommand
    Dim ds As New DataSet
    Dim da As New SqlDataAdapter

    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load

        If cnn.State = ConnectionState.Closed Then
            cnn.Open()
            cmd.Connection = cnn
            cmd.CommandType = CommandType.Text
            cmd.CommandText = "select ISBN,Title,Author from Books"
            da.SelectCommand = cmd
            da.Fill(ds)
            DataGridView1.DataSource = ds.Tables(0)
            cnn.Close()
        End If
    End Sub
End Class
```

```

End Sub

Private Sub ekleButton_Click(sender As Object, e As EventArgs) Handles
ekleButton.Click
    Try
        If cnn.State = ConnectionState.Closed Then
            cnn.Open()
            ds.Clear()
            cmd.Connection = cnn
            cmd.CommandType = CommandType.Text
            cmd.Parameters.Clear()

            cmd.CommandText = "insert into Books(ISBN,Title,Author)
values(@ISBN,@Title,@Author)"
            cmd.Parameters.Add("@ISBN", SqlDbType.NVarChar).Value =
ISBNTextBox.Text
            cmd.Parameters.Add("@Title", SqlDbType.NVarChar).Value =
titleTextBox.Text
            cmd.Parameters.Add("@Author", SqlDbType.NVarChar).Value =
AuthorTextBox.Text

            cmd.ExecuteNonQuery()
            MessageBox.Show("kayıt eklendi")
            cmd.CommandText = "select ISBN, Title,Author from Books"
            da.SelectCommand = cmd
            da.Fill(ds)
            DataGridView1.DataSource = ds.Tables(0)
            cnn.Close()
        End If
    Catch ex As Exception
        MessageBox.Show(ex.Message)
        cnn.Close()
    End Try
End Sub
End Class

```

## Uygulama5 – Yeni tablo yaratma

- veritabanı oluştur,
- tablo yarat,
- bağlantı kur,
- datagrid view a bilgileri getir
- veritabanına bilgi girişi yap

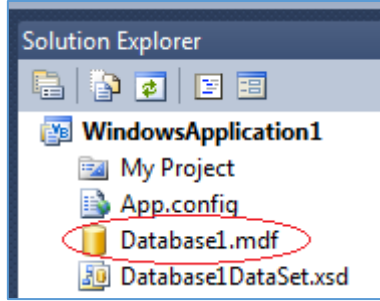
Adımlar:

1. yeni bir proje yarat
2. yeni veritabanı yarat

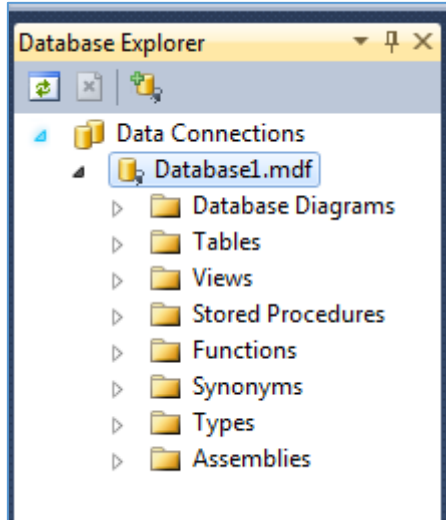
project → add new item → service-based database

next → finish

solution explorer de .mdf uzantılı bir dosya oluşacak

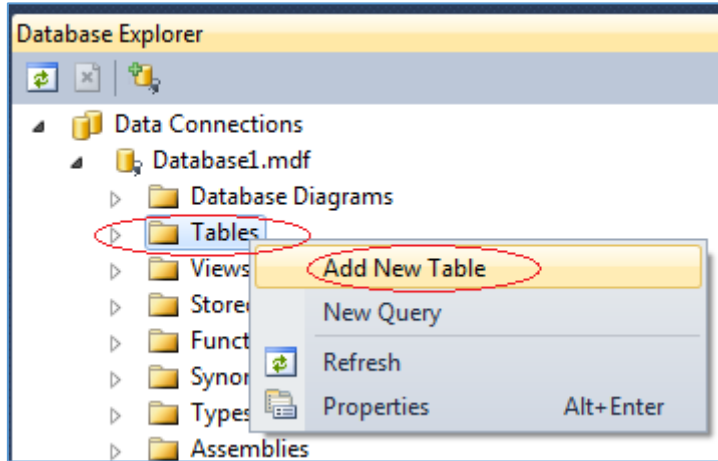


3. .mdf dosyasına çift tıkladıktan sonra sol tarafta database explorer açılacak (full visual studio yüklü değilse server explorer (sanırım) olarak açılacaktır)

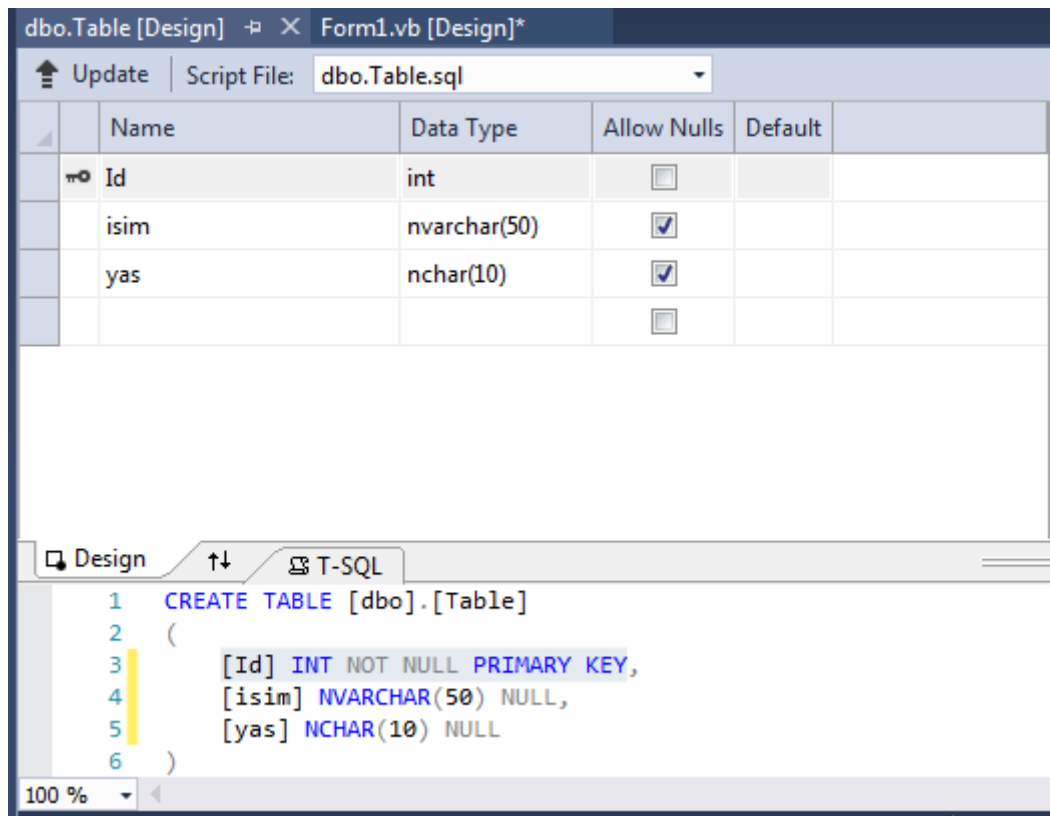


#### 4. Tablo yaratmak için

Tables üzerine sağ tıkla → add new table ı seç

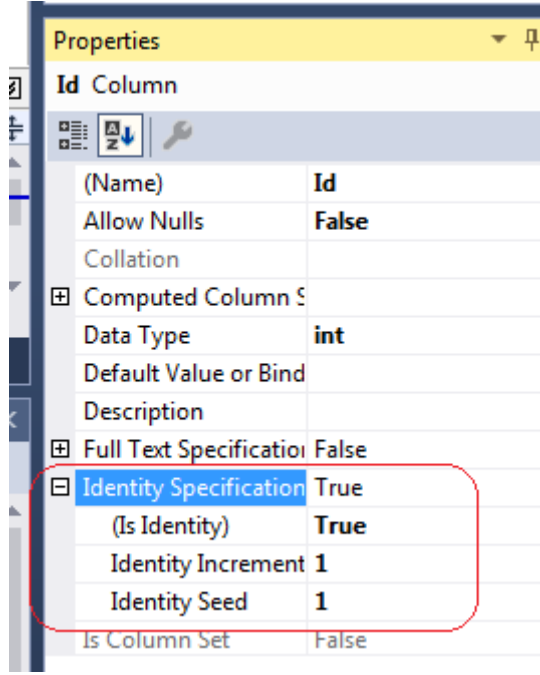


Aşağıdaki gibi tablo yarat → update → update database



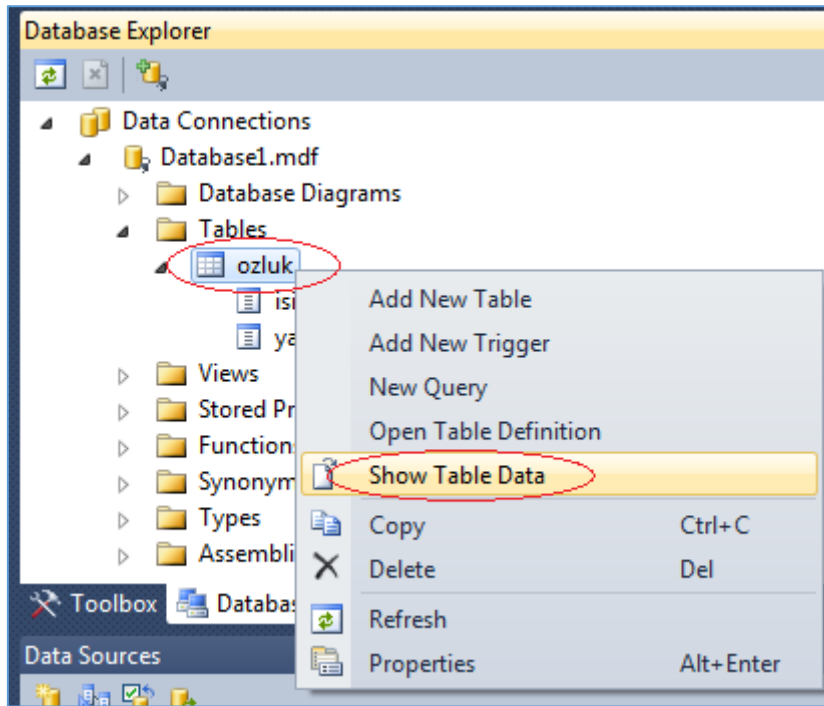
Server explorer → refresh yap

Bilgi Girişi yapmadan önce id nin properties penceresinden Identity Specification özelliğini True yapın



5. Tabloya bilgi girişi yapın

Tables üzerine sağ tıkla → show table data yı seç ve istediğin kadar satır ekle



Ben üç satır ekledim. Sizler daha çok ekleyebilirsiniz. Ya da hiç de eklemeyebilirsiniz. Ve Refresh e tıklayın

	Id	isim	yas
▶	1	Tarkan	21
	2	Murat	21
	3	Emel	22
*	NULL	NULL	NULL

6. Aşağıdaki gibi Formunu yarat

7. Artık kod yazmaya geçebiliriz.

```
Imports System.Data.SqlClient
Public Class Form1
    Dim cnn As New SqlConnection("Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=""C:\Users\sct\Documents\DESLER\BTE
P210\bahar 18-19\veritabani\uygulama5\uygulama5\Database1.mdf"";Integrated
Security=True")
    Dim cmd As New SqlCommand
    Dim ds As New DataSet
    Dim da As New SqlDataAdapter
    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        If cnn.State = ConnectionState.Closed Then
            cnn.Open()

            cmd.Connection = cnn
            cmd.CommandType = CommandType.Text
```

```

        cmd.CommandText = "select isim, yas from [Table]"
        da.SelectCommand = cmd
        da.Fill(ds)
        DataGridView1.DataSource = ds.Tables(0)
        cnn.Close()
    End If
End Sub

Private Sub ekleButton_Click(sender As Object, e As EventArgs) Handles
ekleButton.Click
    Try
        If cnn.State = ConnectionState.Closed Then
            cnn.Open()
            ds.Clear()
            cmd.Connection = cnn
            cmd.CommandType = CommandType.Text
            cmd.Parameters.Clear()

            cmd.CommandText = "insert into [Table](isim,yas)
values(@isim,@yas)"
            cmd.Parameters.Add("@isim", SqlDbType.NVarChar).Value =
TextBox2.Text
            cmd.Parameters.Add("@yas", SqlDbType.NVarChar).Value =
TextBox3.Text

            cmd.ExecuteNonQuery()
            MessageBox.Show("kayit eklendi")
            TextBox2.Clear()
            TextBox3.Clear()

            cmd.CommandText = "select isim,yas from [Table]"
            da.SelectCommand = cmd
            da.Fill(ds)
            DataGridView1.DataSource = ds.Tables(0)
            cnn.Close()
        End If
    Catch ex As Exception
        MessageBox.Show(ex.Message)
        cnn.Close()
    End Try
End Sub

Private Sub cikButton_Click(sender As Object, e As EventArgs) Handles
cikButton.Click
    Close()
End Sub
End Class

```