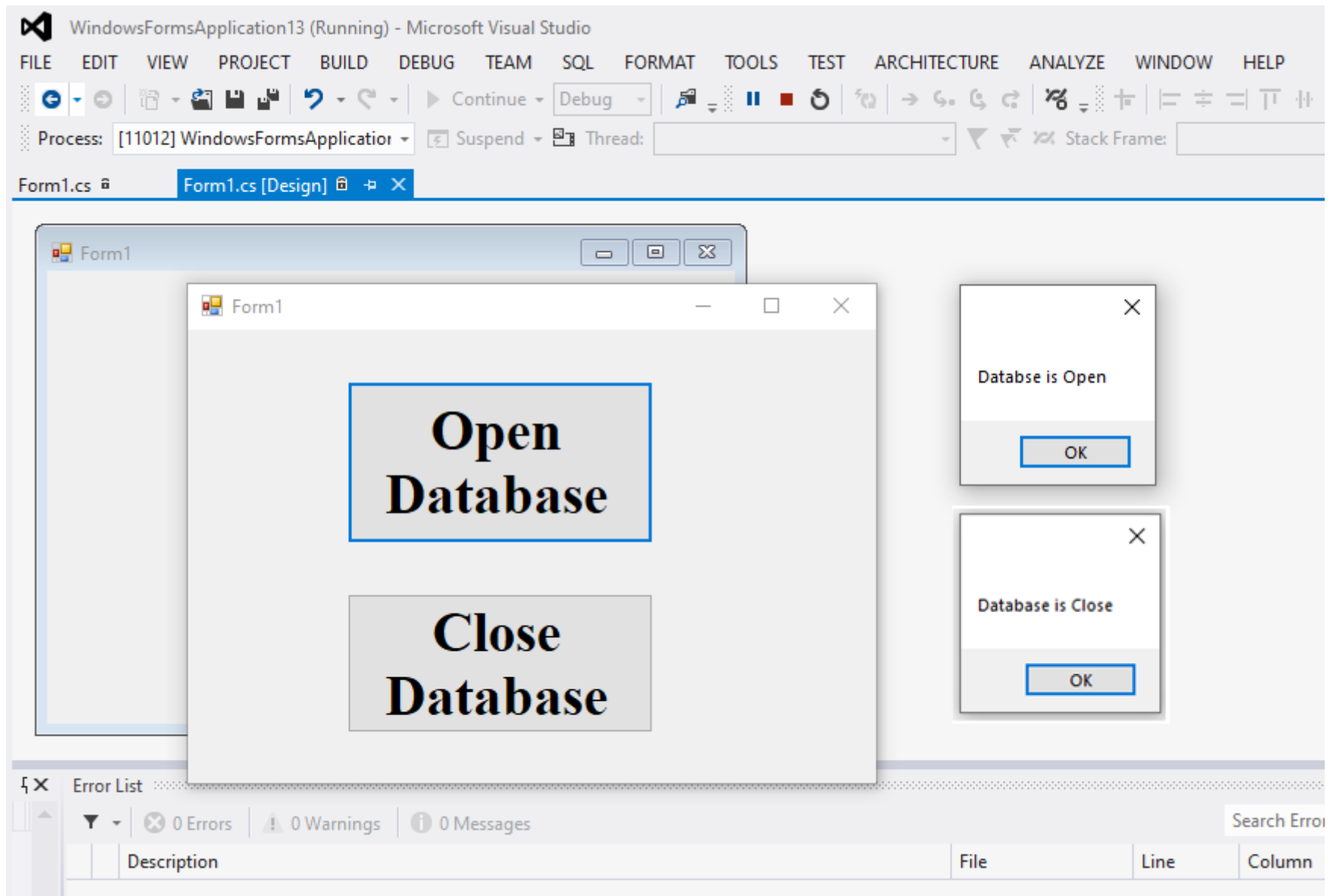




```
using System.Data.SqlClient;
```

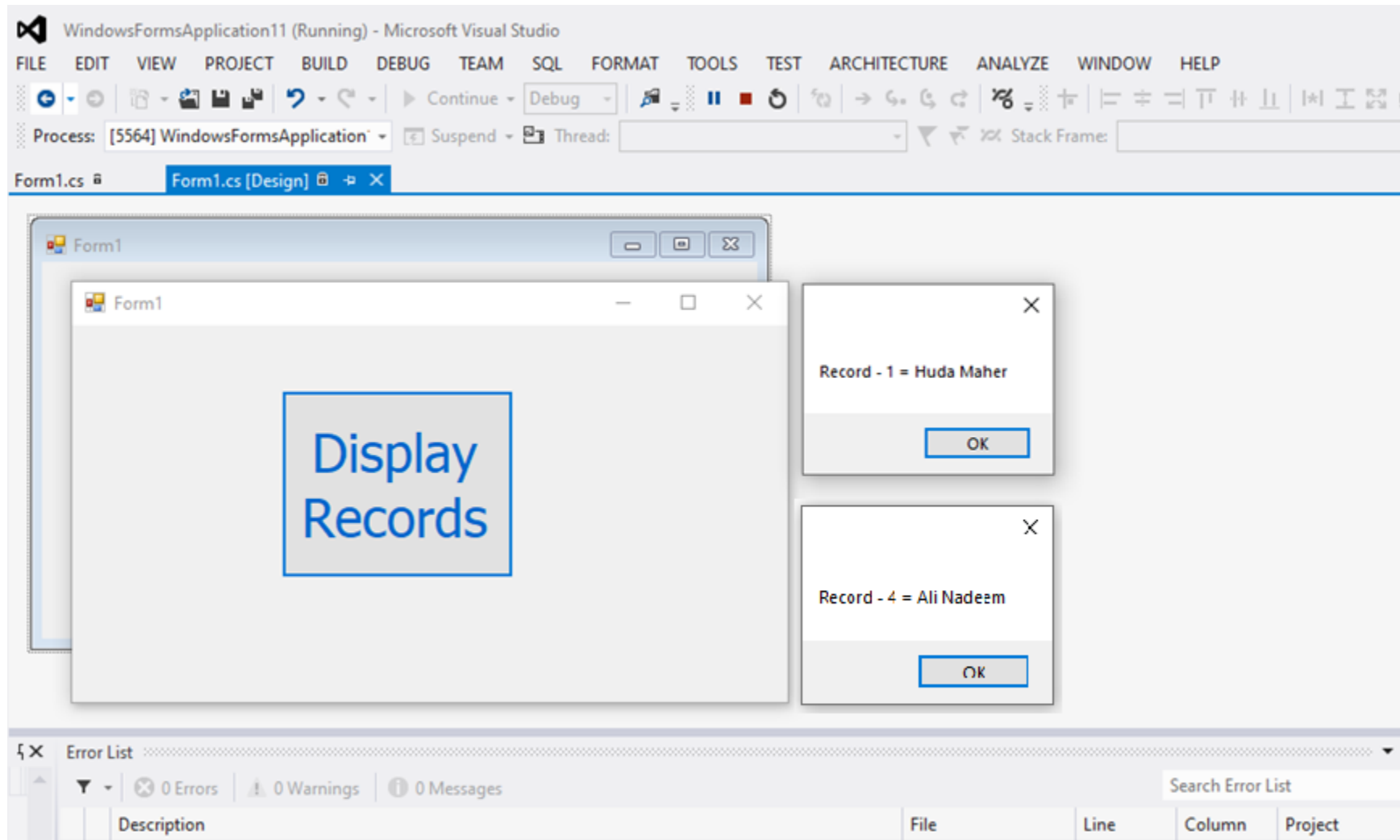
```
SqlConnection conn = new SqlConnection(@"Data Source=.\SQLEXPRESS;Initial Catalog=DB1;Integrated Security=True");  
    conn.Open();  
    conn.Close();
```

WFA13:

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;
namespace WindowsFormsApplication13
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        SqlConnection conn = new SqlConnection(@"Data Source=.\SQLEXPRESS;Initial Catalog=DB1;Integrated Security=True");
        private void button1_Click(object sender, EventArgs e)
        {
            try
            {
                conn.Open();
                MessageBox.Show("Database is Open");
            }
            catch (Exception ex)
            {
                MessageBox.Show("ex.Message");
            }
        }
        private void button2_Click(object sender, EventArgs e)
        {
            try
            {
                conn.Close();
                MessageBox.Show("Database is Close");
            }
            catch (Exception ex)
            {
                MessageBox.Show("ex.Message");
            }
        }
    }
}
```

المحاضرة السادسة

Display Record by Record from Table In DB Using C# Form

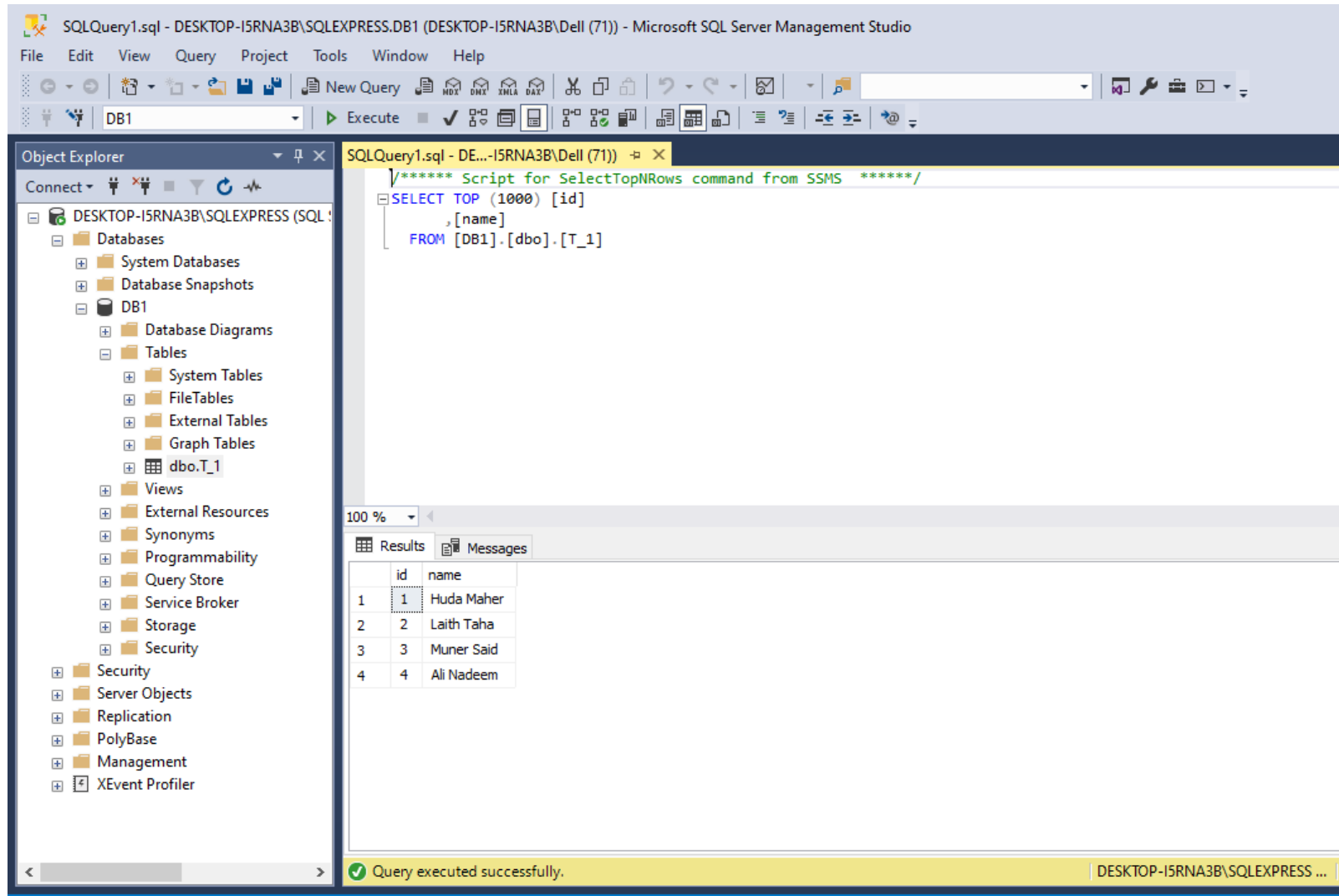


WFA11:

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;
namespace WindowsFormsApplication11
{
    public partial class Form1 : Form
    {
        string connstring = (@"Data Source=.\SQLEXPRESS;Initial Catalog=DB1;Integrated Security=True");
        public Form1()
        {
            InitializeComponent();
        }
        private void Conn_Click(object sender, EventArgs e)
        {
            SqlConnection con = new SqlConnection(connstring);
            con.Open();
            string query = "Select * from T_1";
            SqlCommand cmd = new SqlCommand(query, con);
            SqlDataReader reader = cmd.ExecuteReader();
            while (reader.Read())
            {
                string output = "Record =" + reader.GetValue(0) + "-" + reader.GetValue(1);
                MessageBox.Show(output);
            }
            con.Close();
        }
    }
}
```

المحاضرة السابعة

Insert Data from TextBox into Table in DB Using C# Form



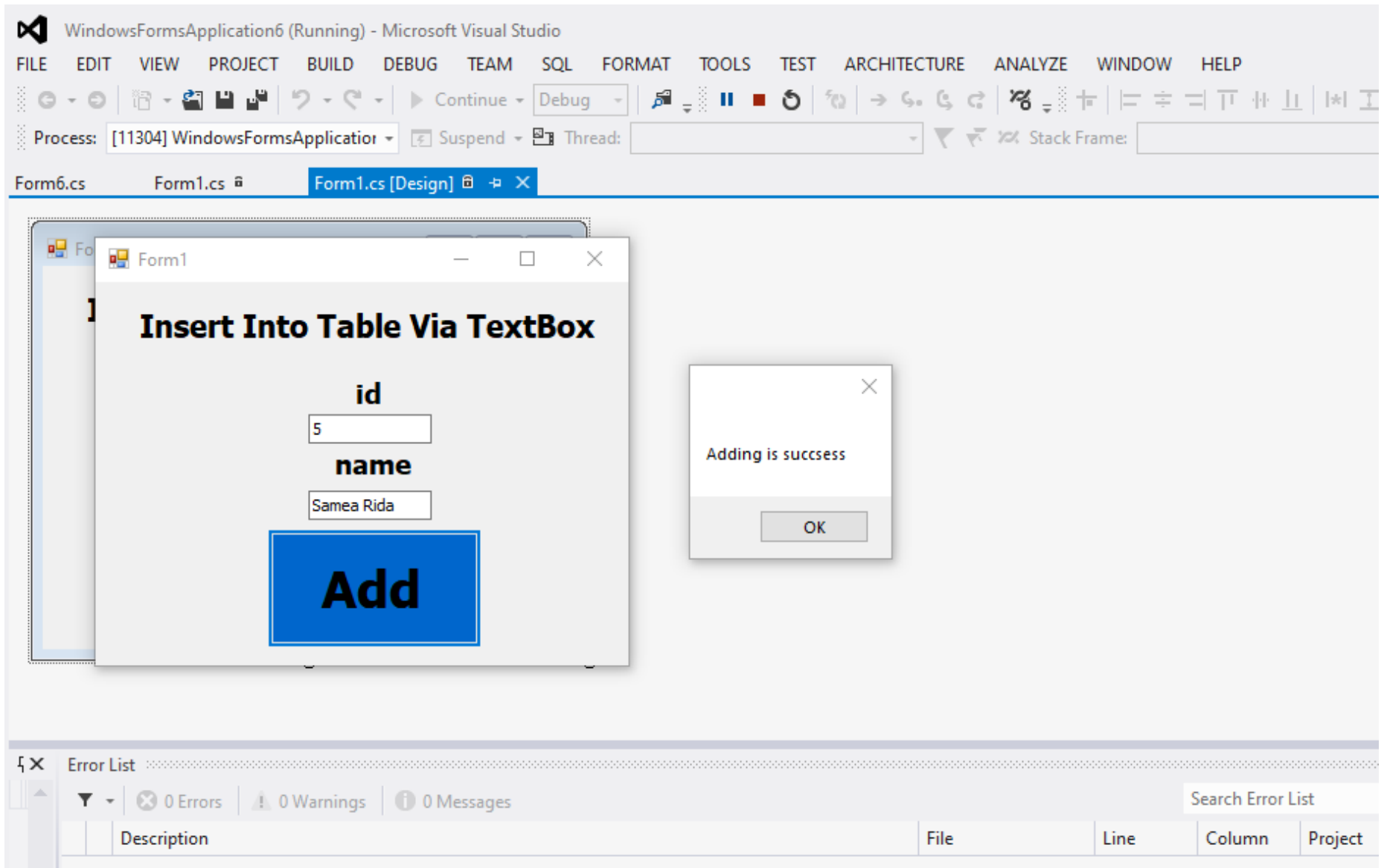
The screenshot displays the Microsoft SQL Server Management Studio interface. The title bar indicates the file is 'SQLQuery1.sql' located on 'DESKTOP-I5RNA3B\SQLEXPRESS.DB1 (DESKTOP-I5RNA3B\Dell (71))'. The menu bar includes File, Edit, View, Query, Project, Tools, Window, and Help. The toolbar contains various icons for file operations, query execution, and formatting. The Object Explorer on the left shows the database structure for 'DESKTOP-I5RNA3B\SQLEXPRESS (SQL...)'. Under 'Databases', 'DB1' is expanded, showing 'Tables' and 'dbo.T_1'. The main query editor shows the following SQL script:

```
/****** Script for SelectTopNRows command from SSMS *****/  
SELECT TOP (1000) [id]  
      , [name]  
FROM [DB1].[dbo].[T_1]
```

The 'Results' pane at the bottom shows the output of the query, which is a table with two columns: 'id' and 'name'. The data is as follows:

	id	name
1	1	Huda Maher
2	2	Laith Taha
3	3	Muner Said
4	4	Ali Nadeem

The status bar at the bottom indicates 'Query executed successfully.' and the server name 'DESKTOP-I5RNA3B\SQLEXPRESS ...'.



SQLQuery2.sql - DESKTOP-I5RNA3B\SQLEXPRESS.DB1 (DESKTOP-I5RNA3B\DeII (65)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

DB1 Execute

Object Explorer

Connect

DESKTOP-I5RNA3B\SQLEXPRESS (SQL !)

- Databases
 - System Databases
 - Database Snapshots
 - DB1
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.T_1
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Query Store
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects
 - Replication
 - PolyBase
 - Management
 - XEvent Profiler

SQLQuery2.sql - DE...-I5RNA3B\DeII (65)) SQLQuery1.sql - DE...-I5RNA3B\DeII (71))

```
/****** Script for SelectTopNRows command from SSMS *****/  
SELECT TOP (1000) [id]  
      , [name]  
FROM [DB1].[dbo].[T_1]
```

100 %

Results Messages

	id	name
1	1	Huda Maher
2	2	Laith Taha
3	3	Muner Said
4	4	Ali Nadeem
5	5	Samea Rida

Query executed successfully. DESKTOP-I5RNA3B\SQLEXPRESS ...

WFA6:

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Data.SqlClient;
using System.Windows.Forms;
namespace WindowsFormsApplication6
{
    public partial class Form1 : Form
    {
        SqlConnection con = new SqlConnection(@"Data Source=.\SQLEXPRESS;Initial Catalog=DB1;Integrated Security=True");

        public Form1()
        {
            InitializeComponent();
        }
        private void button1_Click(object sender, EventArgs e)
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("insert into T_1 (id,name) values (@pr1,@pr2)", con);
            cmd.Parameters.AddWithValue("@pr1", p1.Text);
            cmd.Parameters.AddWithValue("@pr2", p2.Text);
            cmd.ExecuteNonQuery();
            MessageBox.Show("Adding is success");
        }
    }
}
```

المحاضرة الثامنة

Display Data from Table in DB in DataGridView Using C# Form

The screenshot shows the Visual Studio IDE with the application 'WindowsFormsApplication15' running. The 'Form1' window is displayed, showing a DataGridView with the following data:

id	name
1	Huda Maher
2	Laith Taha
3	Muner Said
4	Ali Nadeem

An 'Exit' button is located at the bottom of the form. The 'Error List' at the bottom of the IDE shows 0 Errors, 0 Warnings, and 0 Messages.

WFA15:

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;
namespace WindowsFormsApplication15
{
    public partial class Form1 : Form
    {
        SqlConnection con = new SqlConnection(@"Data Source=.\SQLEXPRESS;Initial Catalog=DB1;Integrated Security=True");
        public Form1()
        {
            InitializeComponent();
            SqlDataAdapter ad = new SqlDataAdapter("select * from T_1", con);
            DataTable d = new DataTable();
            ad.Fill(d);
            dataGridView1.DataSource = d;
        }
        private void dataGridView1_CellContentClick(object sender, DataGridViewCellEventArgs e)
        {
        }
        private void Exit_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }
    }
}
```

المحاضرة التاسعة

Display and Update Data from Table in DB in DataGridView Using C# Form

WindowsFormsApplication16 (Running) - Microsoft Visual Studio

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM SQL FORMAT TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Process: [1968] WindowsFormsApplication16 Suspend Thread: Stack Frame:

Form1.cs Form1.cs [Design]

Form1

	id	name
	1	Huda Maher
	2	Laith Taha
	3	Muner Said
	4	Ali Nadeem
▶▶		

Update Exit

Error List

WFA16:

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;
namespace WindowsFormsApplication16
{
    public partial class Form1 : Form
    {
        SqlConnection Con = new SqlConnection(@"Data Source=.\SQLEXPRESS;Initial Catalog=DB1;Integrated Security=True");
        SqlDataAdapter Da;
        DataTable Dt = new DataTable();
        SqlCommandBuilder Cmdb;
        public Form1()
        {
            InitializeComponent();
            Da = new SqlDataAdapter("select * from T_1", Con);
            Da.Fill(Dt);
            dataGridView1.DataSource = Dt;
        }
        private void Update_Click(object sender, EventArgs e)
        {
            Cmdb = new SqlCommandBuilder(Da);
            Da.Update(Dt);
            MessageBox.Show("Passed Successfully !!!", "OK Success", MessageBoxButtons.OK, MessageBoxIcon.Stop);
        }
        private void Exit_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }
    }
}
```