Pract no. 3:

Q.1: How to Connect and Use Local Database in Visual Studio 2025

Dbo.Table

CREATE TABLE [dbo].[Customers]

(

[Id] INT NOT NULL PRIMARY KEY,

[FullName] NVARCHAR(100) NULL,

[Email] VARCHAR(150) NULL,

[Address] NVARCHAR(500) NULL,

[Phone] VARCHAR(25) NULL,

[Gender] BIT NULL

)

Connection String : Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Database.mdf;Integrated Security=True

Form.cs

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;

namespace LocalDB

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void CustomersBindingNavigatorSaveItem\_Click(object sender, EventArgs e)

{

this.Validate();

this.customersBindingSource.EndEdit();

this.tableAdapterManager.UpdateAll(this.modelDataSet);

}

private void Form1\_Load(object sender, EventArgs e)

{

// TODO: This line of code loads data into the 'modelDataSet.Customers' table. You can move, or remove it, as needed.

this.customersTableAdapter.Fill(this.modelDataSet.Customers);

}

private void GenderCheckBox\_CheckedChanged(object sender, EventArgs e)

{

if (genderCheckBox.CheckState == CheckState.Checked)

genderCheckBox.Text = "Male";

else if (genderCheckBox.CheckState == CheckState.Unchecked)

genderCheckBox.Text = "Female";

else

genderCheckBox.Text = "??";

}

}

}