**TASK 13:**

**Working with LINQ**

Create a table with given fields

|  |  |
| --- | --- |
| Field Name | Type |
| EmpNo | Number |
| EmpName | Varchar |
| EmpSal | Number |
| EmpJob | Varchar |
| EmpDeptNo | Number |

For the given table design a web page to display the employee information from table to grid control. Use LINQ to ADO.NET

**Create the Database Table**:

* + In SQL Server, run the following SQL to create a table:

CREATE TABLE Employees (

EmpNo INT PRIMARY KEY,

EmpName VARCHAR(50),

EmpSal DECIMAL(10, 2),

EmpJob VARCHAR(50),

EmpDeptNo INT

);

**Step 1: Create Project**

1. Open **Visual Studio 2022**
2. Select **ASP.NET Web Application (.NET Framework)**
3. Name it: EmployeeInfoApp
4. Choose **Empty** template and check **Web Forms**.

**Step 2: Add Web Form**

1. Right-click your project → Add → Web Form
   * Name: EmployeeDisplay.aspx

**Step 3: Create Database Connection**

1. In **Solution Explorer → Add → New Item → Data → LINQ to SQL Classes**
   * Name it: EmployeeData.dbml
2. This opens a **LINQ to SQL Designer**.
3. From **Server Explorer → Data Connections**, add connection

SERVER NAME =.\SQLEXPRESS

Connection need to be established with back end.

Open new query and Create the table Employee with required columns

5. drag the **Employee** table to the designer.

* + It automatically creates a class named Employee.

**Step 4: Design the Web Form (Front-End)**

Open **EmployeeDisplay.aspx**, and add this code inside the <form> tag:

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="True"

</asp:GridView>

**Step 5: Backend Code (C#)**

Open **EmployeeDisplay.aspx.cs** and write this:

using System;

using System.Linq;

using System.Configuration;

namespace EmployeeInfoApp

{

public partial class EmployeeDisplay : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

ShowEmployeeData();

}

}

private void ShowEmployeeData()

{

// Create data context

string connString = ConfigurationManager.ConnectionStrings["DataSourceConnectionString"].ConnectionString;

// Create data context

empDataContext db = new empDataContext(connString);

// LINQ Query to select employee details

var empDetails = from emp in db.Employees

select emp;

// Bind to GridView

GridView1.DataSource = empDetails;

GridView1.DataBind();

} } }

**Step 6: Run the Application**

* Press **F5** or **Ctrl+F5**
* The **EmployeeDisplay.aspx** page will open
* The **GridView** will show employee data from the database

OUT PUT :

A screenshot of a computer

AI-generated content may be incorrect.