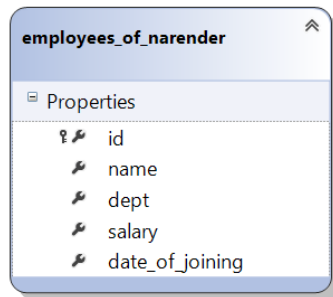**AIM: DESIGN A WEBPAGE TO DISPLAY THE USE OF LINQ.**

A) **Design a web page to display the employee information from table to grid control. Use LINQ to SQL Build websites to demonstrate the working of entity frameworks in dot net.**

SOURCE CODE:

ReadLinqToSql.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="ReadLinqToSql.aspx.cs"
Inherits="ReadLinqToSql" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
      <div>
          <asp:Label ID="Label1" runat="server" Text="ID"></asp:Label>
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br /><br />
<asp:Label ID="Label2" runat="server" Text="NAME"></asp:Label>
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br /><br />
<asp:Label ID="Label3" runat="server" Text="DEPT"></asp:Label>
<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><br /><br />
<asp:Label ID="Label4" runat="server" Text="SALARY"></asp:Label>
<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox><br /><br />
<asp:Label ID="Label5" runat="server" Text="DATE OF JOINING"></asp:Label>
<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox><br /><br /><br />
<asp:Button ID="Button1" runat="server" Text="INSERT RECORD"
OnClick="Button1_Click" />
          <asp:Label ID="lblResult" runat="server" Text=""></asp:Label>
          <asp:Button ID="Button2" runat="server" Text="SHOW RECORDS"
OnClick="Button2_Click" />
```

```
        <asp:GridView ID="GridView1" runat="server">
        </asp:GridView>
      </div>
    </form>
</body>
</html>
```

ReadLinqToSql.aspx.cs:

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class ReadLinqToSql : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        using (DataClassesDataContext dc = new DataClassesDataContext())
        {
            employees_of_narender en = new employees_of_narender
            {
                id = Convert.ToInt32(TextBox1.Text),
                name = TextBox2.Text,
                dept = TextBox3.Text,
                salary = Convert.ToInt32(TextBox4.Text),
                date_of_joining = TextBox5.Text,
            };
            dc.employees_of_narenders.InsertOnSubmit(en);
            dc.SubmitChanges();
            lblResult.Text = "Successfully inserted!";
        }
    }

    protected void Button2_Click(object sender, EventArgs e)
    {
        DataClassesDataContext dc = new DataClassesDataContext();
        GridView1.DataSource = (from a in dc.employees_of_narenders select a);
        GridView1.DataBind();
    }
}
```
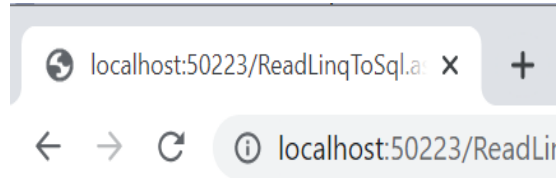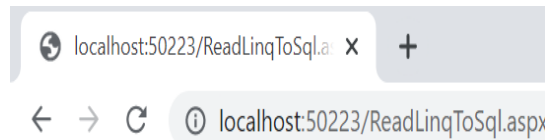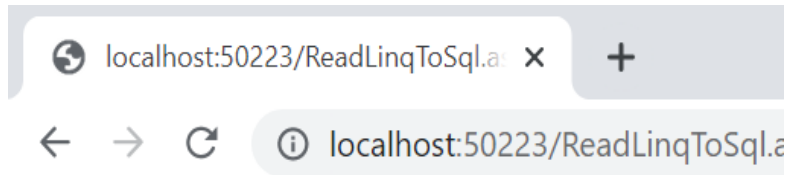
OUTPUT:

ID 4

NAME Ritesh Yadav

DEPT MBA

SALARY 566252

DATE OF JOINING 05-06-2019

INSERT RECORD Successfully inserted! SHOW RECORDS

id	name	dept	salary	date_of_joining
1	Narender Keswani	IT	100000	30-05-2021
2	Neel Deshmukh	CS	200000	06-05-2022
3	Hassan Haque	SD	300000	06-06-2022
4	Ritesh Yadav	MBA	566252	05-06-2019

B) Design a library system in ASP.NET and show all the book details in a Gridview dynamically using ADO.NET Entity Framework.

SOURCE CODE:
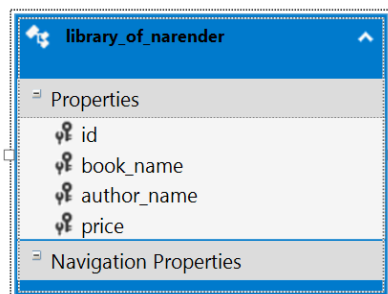
Default3.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default3.aspx.cs"
Inherits="Default3" %>

<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
   <form id="form1" runat="server">
<div>
 Enter ID to get details:
   <asp:TextBox ID="txtSrNo"
runat="server"></asp:TextBox>
 <br /><br />
 <asp:Button ID="cmdShow" runat="server" Text="Show Details"
OnClick="cmdShow_Click" />
 </div><br /><br />
 <div>
 <asp:GridView ID="GridView1" runat="server"></asp:GridView>
 <br />
 <asp:Button ID="cmdShowAll" runat="server" Text="Show All"
OnClick="cmdShowAll_Click" />
 </div>
   </form>
</body>
</html>
```

Default3.aspx.cs:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class Default3 : System.Web.UI.Page
{
   protected void Page_Load(object sender, EventArgs e)
   {

   }

   protected void cmdShow_Click(object sender, EventArgs e)
   {
      int srno = Convert.ToInt32(txtSrNo.Text);
      narender_p7Entities ctx = new narender_p7Entities();
      GridView1.DataSource = (from b in ctx.library_of_narender
                  where b.id == srno
                  select b).ToList();
      GridView1.DataBind();
   }
```
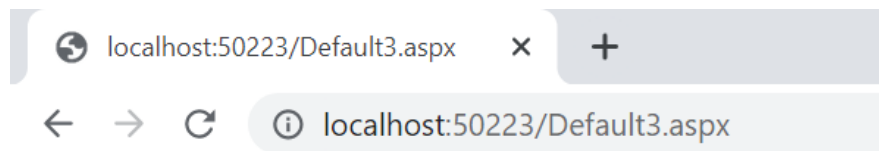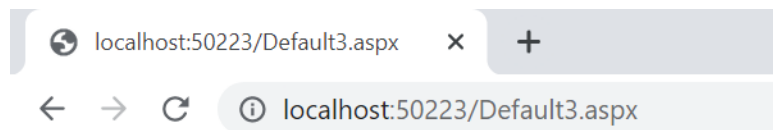
```
protected void cmdShowAll_Click(object sender, EventArgs e)
{
    narender_p7Entities ctx = new narender_p7Entities();
    GridView1.DataSource = (from a in ctx.library_of_narender select a).ToList();
    GridView1.DataBind();
}

}
```

OUTPUT:

localhost:50223/Default3.aspx   ✕   +

← → C   ⓘ localhost:50223/Default3.aspx

Enter ID to get details: 1

Show Details

id	book_name	author_name	price
1	International Relations with modern world	Khemchand Keswani	899

Show All

localhost:50223/Default3.aspx   ✕   +

← → C   ⓘ localhost:50223/Default3.aspx

Enter ID to get details:

Show Details

id	book_name	author_name	price
1	International Relations with modern world	Khemchand Keswani	899
2	DBMS	Sunita Jena	299

Show All

CONCLUSION:

From this practical, I have learned & implemented the linq to sql, ADO.NET in ASP.NET.