PRACTICAL NO. : 08(1)

AIM: Programs using Language Integrated query.
Create the table with the given fields.

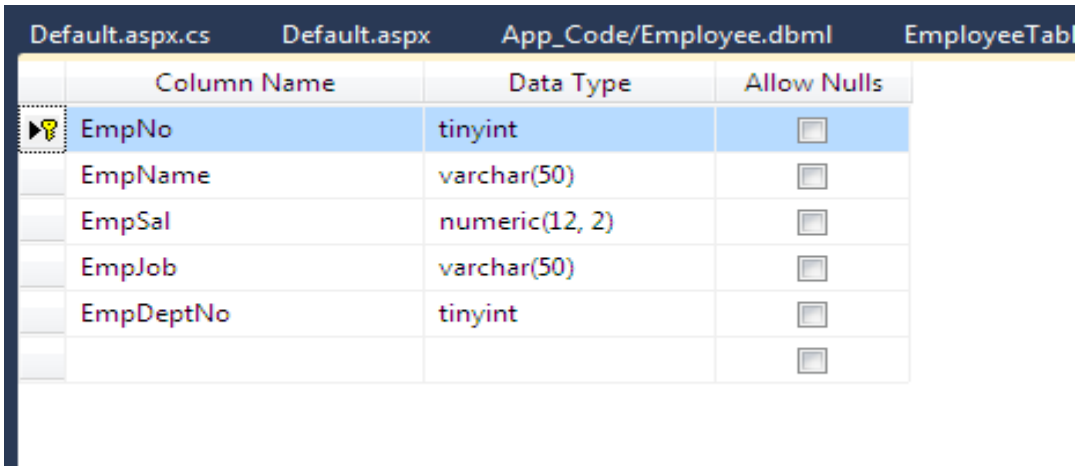
FIELD NAME	DATA TYPE
EmpNo	number
EmpName	varchar
EmpSal	number
EmpJob	varchar
EmpDeptNo	number

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

STEPS:

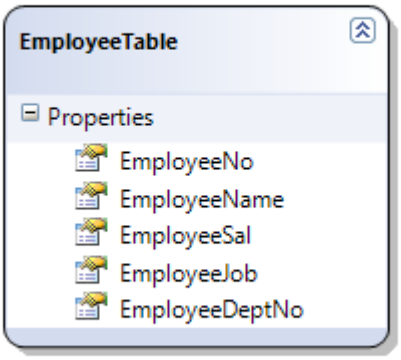
1. File→new→Website→Empty Website→name it→Add
2. Right click on website on solution explorer→Add new item→Sql server database→name it→add→yes
3. Server Explorer→table→right click→add new table→enter the columns→save the table
4. Server explorer→right click on table which is made→show table data→add values
5. Server explorer→right click on website created→add new item→web form→name it
6. Go to design view of aspx page→add grid view from toolbox.
   Double click on aspx page.

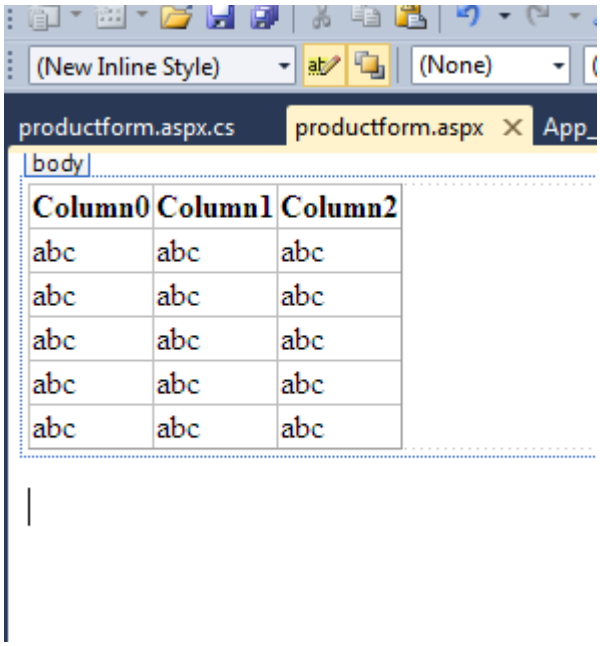
DESIGN:



EmployeeTable: Q...\EMPLOYEEDB.MDF) | dbo.EmployeeTab...\EMPLOYEEDB.MDF)

EmployeeNo	EmployeeName	EmployeeSal	EmployeeJob	EmployeeDept...
1	Swati	10000.00	HR	10
2	Shirin	25000.00	Manager	11
3	Shiwani	15000.00	MD	12
4	Esha	50000.00	CEO	13
5	Prince	5000.00	programmer	14
15	Ankita	1000.00	Clerk	17
NULL	NULL	NULL	NULL	NULL





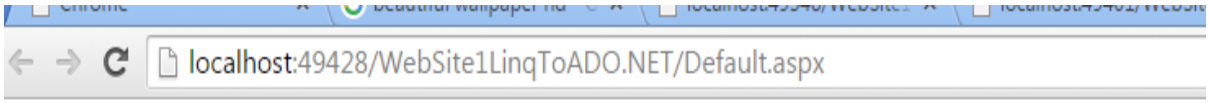
CODE:

Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Data.Linq;
using System.Data.SqlClient;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{
   protected void Page_Load(object sender, EventArgs e)
   {
      EmployeeDataContext dc = new EmployeeDataContext();
      var query = from m in dc.EmployeeTables select m;

      GridView1.DataSource = query;
      GridView1.DataBind();
   }
}
```

OUTPUT:



EmployeeNo	EmployeeName	EmployeeSal	EmployeeJob	EmployeeDeptNo
1	Swati	10000.00	HR	10
2	Shirin	25000.00	Manager	11
3	Shiwani	15000.00	MD	12
4	Esha	50000.00	CEO	13
5	Prince	5000.00	programmer	14
15	Ankita	1000.00	Clerk	17

PRACTICAL NO. : 08(2)

AIM: Programs using Language Integrated query.
Create the table with the given fields.

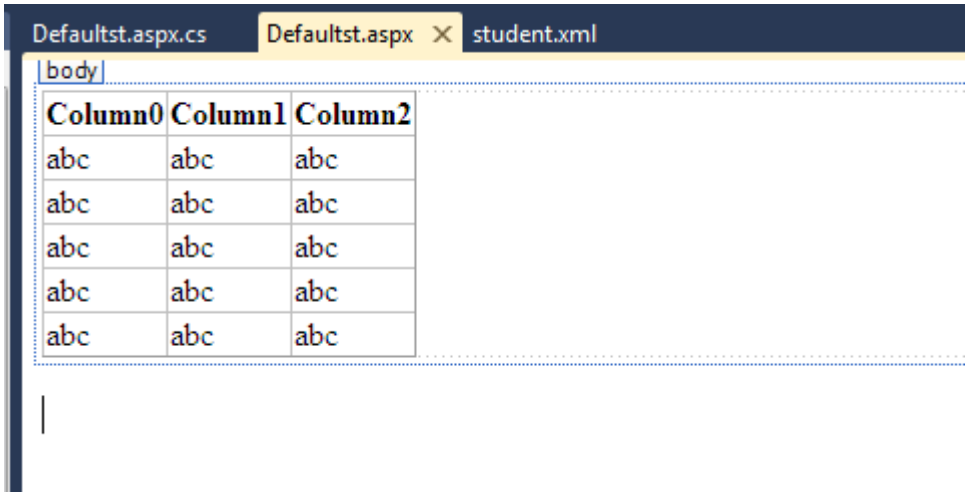
FIELD NAME	DATA TYPE
SRollno	int
SName	string
SAddress	string
SFees	int

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

STEPS:

1. File→New→website→Empty Website→name it
2. Solution Explorer→right click on website made→add new item→XML file→name it→ add→write code
3. Solution explorer→right click on website→add new item→webform→name it→add
4. Go to design view→double click page→write code.

DESIGN:



CODE:

student.xml

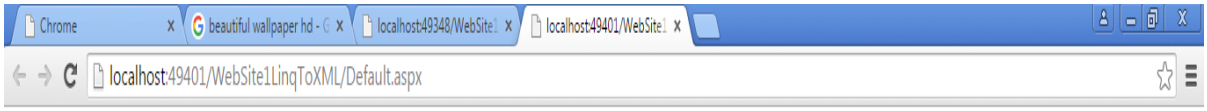
```
<?xml version="1.0" encoding="utf-8" ?>
<TYStudents>
  <student>
    <srollno>1</srollno>
    <sname>swati</sname>
    <saddress>Wadala</saddress>
    <sfees>1000</sfees>
  </student>
  <student>
    <srollno>2</srollno>
    <sname>natasha</sname>
```

```
    <saddress>Dadar</saddress>
    <sfees>3000</sfees>
  </student>
</TYStudents>
```

Defaultst.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Xml.Linq;
using System.Web.UI.WebControls;
public partial class Defaultst : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        XDocument xmlDoc =
XDocument.Load(HttpContext.Current.Server.MapPath("student.xml"));
        var studs = from s in xmlDoc.Descendants("student")
                    select s;
        GridView1.DataSource = studs;
        GridView1.DataBind();
    }
}
```

OUTPUT:



Value	Xml	HasAttributes	HasElements	IsEmpty	Value	BaseUri
1SwatiKoparkhairane10002SanjeelaNavi Mumbai2000	<student><student><srollno>1</srollno><sname>Swati</sname><saddress>Koparkhairane</saddress><sfees>1000</sfees></student><student><srollno>2</srollno><sname>Sanjeela</sname><saddress>Navi Mumbai</saddress><sfees>2000</sfees></student></student>	☐	☑	☐	1SwatiKoparkhairane10002SanjeelaNavi Mumbai2000	
1SwatiKoparkhairane1000	<student><srollno>1</srollno><sname>Swati</sname><saddress>Koparkhairane</saddress><sfees>1000</sfees></student>	☐	☑	☐	1SwatiKoparkhairane1000	
2SanjeelaNavi Mumbai2000	<student><srollno>2</srollno><sname>Sanjeela</sname><saddress>Navi Mumbai</saddress><sfees>2000</sfees></student>	☐	☑	☐	2SanjeelaNavi Mumbai2000	

PRACTICAL NO. : 08(3)

AIM: Programs using Language Integrated query.
Create the table with the given fields .

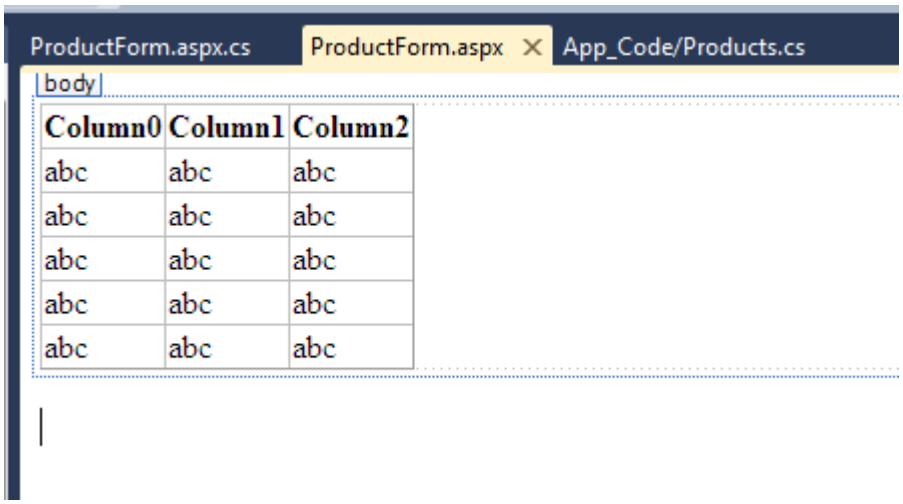
FIELD NAME	DATA TYPE
PID	string
PName	string
PPrice	int
PWeight	int

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

STEPS:

1. File→ new →website→name it
2. Solution explorer→right click on website made→class→name it→yes→write code
3. Solution explorer→right click on website→add new item→webform→name it→add
4. Go to design view→add GridView→Double click on page→write code.

DESIGN:



CODE:
App_Code/Products.cs

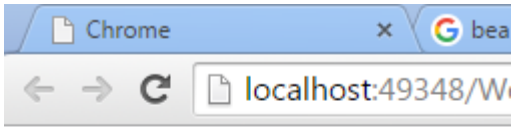
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
public class Products
{
public string PID { get; set; }
   public string PName { get; set; }
   public int PPrice { get; set; }
   public int PWeight { get; set; }
```

```
    public Products()
    {
    } }
```

ProductForm.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 ProductForm : System.Web.UI.Page
{
    public List<Products> GetProdData()
    {
        return new List<Products> {
                new Products { PID="P101", PName="Laptop", PPrice=25000 , PWeight=1500},
                 new Products { PID="P102", PName="Desktop", PPrice=22000 , PWeight=8000},
                  new Products { PID="P103", PName="Mouse", PPrice=500 , PWeight=250}
            };
    }
    protected void Page_Load(object sender, EventArgs e)
    {
        var prod = GetProdData();
        var query = from f in prod
                    orderby f.PName
                    select f;
        this.GridView1.DataSource = query;
        this.GridView1.DataBind();
    }
}
```

OUTPUT:



PID	PName	PPrice	PWeight
P102	Desktop	15000	1000
P101	Laptop	25000	1500
P103	Mouse	25000	1500