```xml
<configuration>
  <connectionStrings>
    <add name="DefaultConnection"
      connectionString="Data Source=LAPTOPH3U1FAB4\SQLEXPRESS; Initial Catalog=office;integrated security=SSPI" />
  </connectionStrings>
  <appSettings>
    <add key="ValidationSettings:UnobtrusiveValidationMode" value="None"/>
  </appSettings>
```

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

namespace ADO1
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        //string conn = ConfigurationManager.ConnectionStrings["DefaultConnection"].ConnectionString;
        SqlConnection con = new SqlConnection("Data Source=LAPTOPH3U1FAB4\\SQLEXPRESS; Initial Catalog=office;integrated security=SSPI");
        protected void Page_Load(object sender, EventArgs e)
        {
            getData();
            totEmp();
        }
```

```csharp
protected void totEmp()
    {
        //SqlConnection con = new SqlConnection(conn);
        try
        {
            string q = "select count(*) As 'totalEmp' from[dbo].[Employee]";
            SqlCommand cmd = new SqlCommand(q, con);
            con.Open();
            int empCount = Convert.ToInt32(cmd.ExecuteScalar());
            if (empCount > 0)
            {
                lblTotal.Text = "Total Employees Present: " + empCount;

            }

    }catch(Exception e1){
        Response.Write(e1);
    }
    finally
    {
        con.Close();
    }
    }
```

```csharp
protected void getData()
    {
        //SqlConnection con = new SqlConnection(conn);
        try{
            con.Open();
            string q = "select * from Employee";
            SqlDataAdapter da = new SqlDataAdapter(q, con);
            DataSet ds = new DataSet();
            da.Fill(ds);
            int totEmp = ds.Tables[0].Rows.Count;
            //lblTotal.Text = "Total Employees:" + totEmp;
            GridView1.DataSource = ds;
            GridView1.DataBind();

        }catch(Exception e1)
        {
            Response.Write(e1);
        }
        finally
        {
            con.Close();
        }
    }
```

```csharp
protected void btnAdd_Click(object sender, EventArgs e)
    {
        //SqlConnection con = new SqlConnection(conn);
        try
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("insert into Employee(name,course,gender) values (@Name, @Course,@Gender )", con);
            cmd.Parameters.AddWithValue("@Name", txtName.Text);
            cmd.Parameters.AddWithValue("@Course", ddlCourse.Text);
            cmd.Parameters.AddWithValue("@Gender", rblGender.Text);
            int i = cmd.ExecuteNonQuery();
            if (i > 0)
            {
                Response.Write("<script>alert('Inserted successfully')</script>");
                lblResult.Text = "<style='background-color:green';>Inserted Successfully</style>";
            }
            else
            {

                Response.Write("<scrip>alert('Inserted failed')</script>");


            }
        }
        catch (Exception e1)
        {
            Response.Write(e1);
        }
        finally
        {
            con.Close();
        }
    }
```

```csharp
protected void btnFetch_Click(object sender, EventArgs e)
    {
        //SqlConnection con = new SqlConnection(conn);
        try
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("select * from Employee where id=@Id", con);
            cmd.Parameters.AddWithValue("@Id", txtId.Text);
            SqlDataReader dr = cmd.ExecuteReader();
            while (dr.Read())
            {
                txtName.Text = dr.GetString(1);
                ddlCourse.Text = dr.GetString(2);
                rblGender.Text = dr.GetString(3);
            }

        }
        catch (Exception e2)
        {
            Response.Write(e2);
        }
        finally {
            con.Close();
        }
    }
```

```csharp
protected void btnUpdate_Click(object sender, EventArgs e)
    {
        //SqlConnection con = new SqlConnection(conn);
        try
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("update Employee set name=@Name,course=@Course,gender=@gender where id=@Id", con);
            cmd.Parameters.AddWithValue("@Name", txtName.Text);
            cmd.Parameters.AddWithValue("@Course", ddlCourse.Text);
            cmd.Parameters.AddWithValue("@Gender", rblGender.Text);
            cmd.Parameters.AddWithValue("@Id", txtId.Text);
            int i = cmd.ExecuteNonQuery();
            if (i > 0)
            {
                Response.Write("<script>alert('Updated successfilly')</script>");
            }
            else
            {

                Response.Write("<scrip>alert('Updated failed')</script>");

            }
        }
        catch (Exception e1)
        {
            Response.Write(e1);
        }
        finally
        {
            con.Close();
        }
    }
```

```csharp
protected void btnDelete_Click(object sender, EventArgs e)
    {

        //SqlConnection con = new SqlConnection(conn);
        try
        {
            con.Open();
            SqlCommand cmd = new SqlCommand("delete from Employee where id=@Id", con);

            cmd.Parameters.AddWithValue("@Id", txtId.Text);
            int i = cmd.ExecuteNonQuery();
            if (i > 0)
            {
                Response.Write("<script>alert('deleted successfilly')</script>");
            }
            else
            {

                Response.Write("<scrip>alert('deleted failed')</script>");

            }
        }
        catch (Exception e1)
        {
            Response.Write(e1);
        }
        finally
        {
            con.Close();
        }
    }
}
```