.Net Practical (207) - Assignment-4

/*

- 1. Consider following database tables and create a MDI Application with Menu options to perform desired operations.
- a. Course(cours_id,course_name)
- b. Class (class_id, course_id, class_name)
- c. Student(ernollno, rollno, name, class, course, email, mobile, dob)

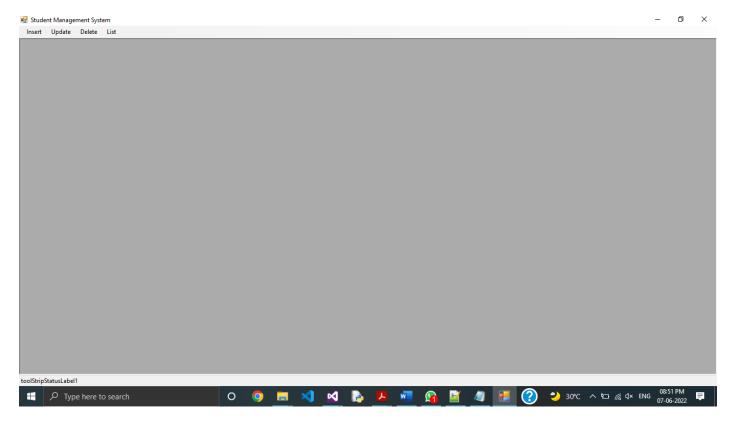
Do the following operations for student data

- 1. Student registration with course and class should be properly selected. [use suitable controls and on selection of course suitable class only should be available for selection.
- 2. Update facility for email id, mobile no and dob for a specific student.
- 3. Delete by name, but if multiple student have same names then ask for course and then perform delete.
- 4. List the students whose birth date is in specific year.

Note: Demonstrate the use of various controls suitable for the operations.

*/

------ MDIParent1.cs ------

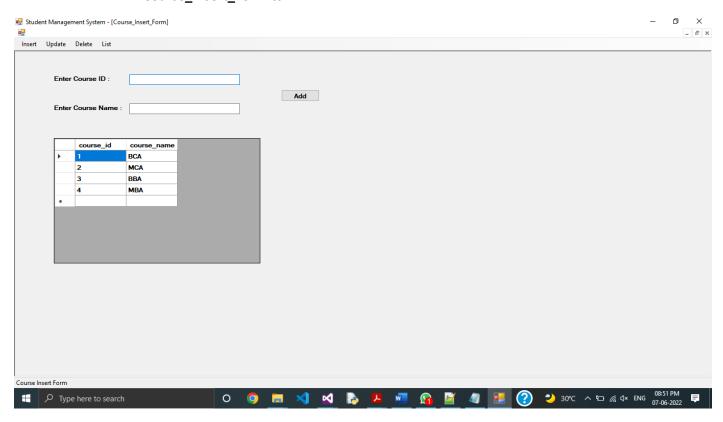


```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
namespace Q1
{
    public partial class MDIParent1 : Form
        private int childFormNumber = 0;
        public MDIParent1()
            InitializeComponent();
        Form child;
        private void courseInsertToolStripMenuItem_Click(object sender, EventArgs e)
            if(childFormNumber != 0)
                child.Dispose();
                childFormNumber = 0;
            }
```

```
child = new Course_Insert_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "Course Insert Form";
    child.Show();
    childFormNumber = 1;
}
private void classInsertToolStripMenuItem_Click(object sender, EventArgs e)
    if (childFormNumber != 0)
    {
        child.Dispose();
        childFormNumber = 0;
    }
    child = new Class_Insert_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "Class Insert Form";
    child.Show();
    childFormNumber = 1;
}
private void studentInsertToolStripMenuItem Click(object sender, EventArgs e)
    if (childFormNumber != 0)
        child.Dispose();
        childFormNumber = 0;
    child = new Student Insert Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "Student Insert Form";
    child.Show();
    childFormNumber = 1;
}
private void studentUpdateToolStripMenuItem_Click(object sender, EventArgs e)
    if (childFormNumber != 0)
    {
        child.Dispose();
        childFormNumber = 0;
    child = new Student_Update_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "Student Update Form";
    child.Show();
    childFormNumber = 1;
}
private void studentDeleteToolStripMenuItem_Click(object sender, EventArgs e)
    if (childFormNumber != 0)
    {
        child.Dispose();
        childFormNumber = 0;
    child = new Student_Delete_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "Student Delete Form";
```

```
child.Show();
            childFormNumber = 1;
        }
        private void studentListToolStripMenuItem_Click(object sender, EventArgs e)
            if (childFormNumber != 0)
                child.Dispose();
                childFormNumber = 0;
            child = new Student_List_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Student List Form";
            child.Show();
            childFormNumber = 1;
        }
       private void courseListToolStripMenuItem_Click(object sender, EventArgs e)
       }
   }
}
```

------Course_Insert_Form.cs ------

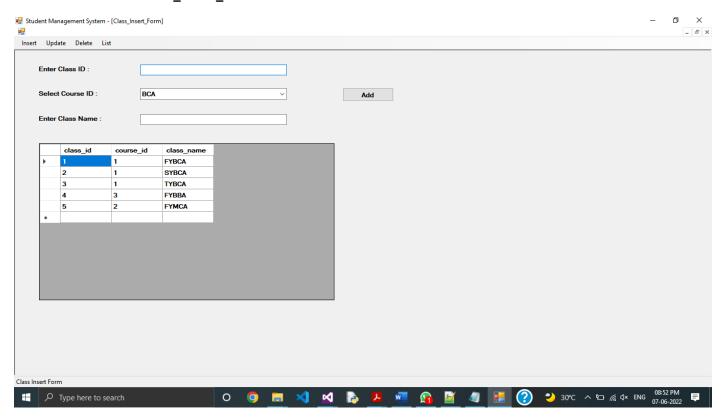


```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;
namespace Q1
{
    public partial class Course_Insert_Form : Form
        SqlCommandBuilder dcmdb;
        SqlDataAdapter da;
        DataSet ds;
        string str;
        public Course_Insert_Form()
            InitializeComponent();
            da = new SqlDataAdapter("select * from course", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dcmdb = new SqlCommandBuilder(da);
            ds = new DataSet();
            load_grid();
        private void load_grid()
```

```
{
        da.Fill(ds, "course");
        dataGridViewCourse.DataSource = ds.Tables["course"];
        dataGridViewCourse.Refresh();
    private void btnCourseAdd_Click(object sender, EventArgs e)
        int id;
        string name;
        try
        {
            id = Convert.ToInt32(txtCourseId.Text);
        }
        catch
            MessageBox.Show("Invailid ID....");
            return;
        if (txtCourseName.Text.Length > 0)
            name = txtCourseName.Text;
        }
        else
        {
            MessageBox.Show("Please Enter Class Name....");
            return;
        }
        DataRow dr = ds.Tables["course"].NewRow();
        dr[0] = id;
        dr[1] = name;
        ds.Tables["course"].Rows.Add(dr);
        da.Update(ds.Tables["course"]);
        MessageBox.Show("Course Inserted Successfully");
        txtCourseId.Text = "";
        txtCourseName.Text = "";
        //load_grid();
    }
}
```

}

------ Class_Insert_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;
using System.Data.SqlClient;
namespace Q1
{
    public partial class Class_Insert_Form : Form
        SqlCommandBuilder dcmdb;
        SqlDataAdapter da,daCourse;
        DataSet ds,dsCourse;
        string str;
        public Class_Insert_Form()
            InitializeComponent();
            da = new SqlDataAdapter("select * from class", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dcmdb = new SqlCommandBuilder(da);
            ds = new DataSet();
            load_grid();
```

```
daCourse = new SqlDataAdapter("select * from course", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dsCourse = new DataSet();
            load_course();
        }
        private void load_grid()
            da.Fill(ds, "class");
            dataGridViewClass.DataSource = ds.Tables["class"];
            dataGridViewClass.Refresh();
        private void load_course()
            daCourse.Fill(dsCourse, "course");
            comboBoxCourse.DataSource = dsCourse.Tables["course"];
            comboBoxCourse.DisplayMember =
dsCourse.Tables["course"].Columns[1].ToString();
            comboBoxCourse.ValueMember =
dsCourse.Tables["course"].Columns[0].ToString();
            comboBoxCourse.Refresh();
        }
        private void btnClassAdd_Click(object sender, EventArgs e)
            int id, courseid;
            string name;
            try
            {
                id = Convert.ToInt32(txtClassId.Text);
            }
            catch
                MessageBox.Show("Invailid ID....");
                return;
            }
            try
            {
                courseid = Convert.ToInt32(comboBoxCourse.SelectedValue);
            }
            catch
                MessageBox.Show("Please Select Valid Course....");
                return;
            if(txtClassName.Text.Length > 0)
                name = txtClassName.Text;
            }
            else
                MessageBox.Show("Please Enter Class Name....");
                return;
            }
            DataRow dr = ds.Tables["class"].NewRow();
            dr[0] = id;
            dr[1] = courseid;
```

```
dr[2] = name;

ds.Tables["class"].Rows.Add(dr);
    da.Update(ds.Tables["class"]);

MessageBox.Show("Class Inserted Successfully");
    txtClassId.Text = "";
    comboBoxCourse.SelectedValue = 1;
    txtClassName.Text = "";

// load_grid();
    // load_course();
}
```

Student Management System - [Student_Insert_Form] Update Delete List EnrollNo: Name : Class: Mobile Roll No DOB: Add rollno enrollno courseid classid email mobile Chandani Si... chandani@g... 7894561230 27-10-20 Type here to search 📻 🔀 🔼 💆 💁 📓 🥒 📳 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; using System.Data.SqlClient; namespace Q1 { public partial class Student_Insert_Form : Form SqlCommandBuilder dcmdb; SqlDataAdapter da, daCourse,daClass; DataSet ds, dsCourse,dsClass; string str; int courseid, classid, rollno; string enrollno, name, email, mobile; DateTime dob; public Student_Insert_Form() InitializeComponent();

da = new SqlDataAdapter("select * from student", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User

ID=sa;Password=sa123");

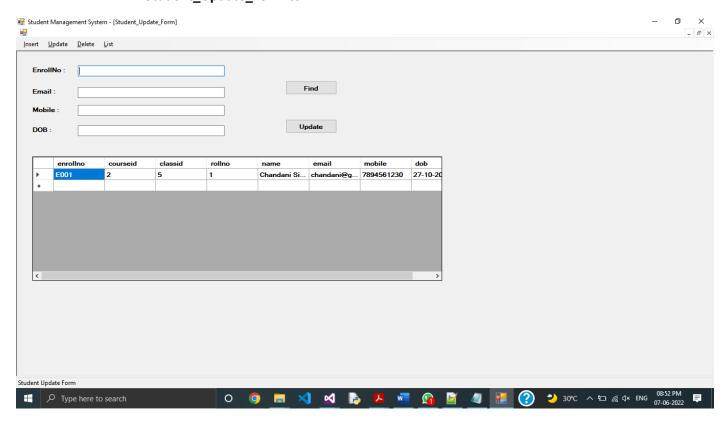
```
dcmdb = new SqlCommandBuilder(da);
            ds = new DataSet();
            load_grid();
            daCourse = new SqlDataAdapter("select * from course", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dsCourse = new DataSet();
            load_course();
            courseid = Convert.ToInt32(comboBoxCourse.SelectedValue);
          // MessageBox.Show("select * from class where course_id = " + courseid);
            daClass = new SqlDataAdapter("select * from class where course_id = " +
courseid, "Data Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security
Info=True;User ID=sa;Password=sa123");
            dsClass = new DataSet();
            load_class();
        }
        private void comboBoxCourse SelectedIndexChanged(object sender, EventArgs e)
            courseid = Convert.ToInt32(comboBoxCourse.SelectedIndex + 1);
            // MessageBox.Show("select * from class where course id = " + str);
            daClass = new SqlDataAdapter("select * from class where course_id = " +
courseid, "Data Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security
Info=True;User ID=sa;Password=sa123");
            dsClass = new DataSet();
            load class();
        }
        private void comboBoxCourse_SelectedValueChanged(object sender, EventArgs e)
            MessageBox.Show(comboBoxCourse.SelectedValue.ToString());
            courseid = Convert.ToInt32(comboBoxCourse.SelectedValue);
            MessageBox.Show("select * from class where course_id = " +
comboBoxCourse.SelectedValue.ToString());
            daClass = new SqlDataAdapter("select * from class where course_id =
"+courseid, "Data Source=.\\sqlexpress; Initial Catalog=chandani; Persist Security
Info=True;User ID=sa;Password=sa123");
            dsClass = new DataSet();
            load_class();
        }
        */
        private void load_grid()
            da.Fill(ds, "student");
            dataGridViewStudent.DataSource = ds.Tables["student"];
            dataGridViewStudent.Refresh();
        private void load_course()
```

```
daCourse.Fill(dsCourse, "course");
            comboBoxCourse.DataSource = dsCourse.Tables["course"];
            comboBoxCourse.DisplayMember =
dsCourse.Tables["course"].Columns[1].ToString();
            comboBoxCourse.ValueMember =
dsCourse.Tables["course"].Columns[0].ToString();
            comboBoxCourse.Refresh();
        }
        private void load_class()
            daClass.Fill(dsClass, "class");
            comboBoxClass.DataSource = dsClass.Tables["class"];
            comboBoxClass.DisplayMember =
dsClass.Tables["class"].Columns[2].ToString();
            comboBoxClass.ValueMember = dsClass.Tables["class"].Columns[0].ToString();
            comboBoxClass.Refresh();
        }
        private void btnStudentAdd_Click(object sender, EventArgs e)
            if(txtEnrollNo.Text.Length > 0)
            {
                enrollno = txtEnrollNo.Text;
            }
            else
            {
                MessageBox.Show("Please Enter EnrollNo....");
                return;
            }
            try
            {
                courseid = Convert.ToInt32(comboBoxCourse.SelectedValue);
            }
            catch
            {
                MessageBox.Show("Please Select Valid Course....");
                return;
            }
            try
                classid = Convert.ToInt32(comboBoxClass.SelectedValue);
            }
            catch
                MessageBox.Show("Please Select Valid Class....");
                return;
            }
            try
            {
                rollno = Convert.ToInt32(txtRollNo.Text);
            }
            catch
```

```
{
    MessageBox.Show("Invalid RollNo....");
    return;
}
if (txtName.Text.Length > 0)
{
    name = txtName.Text;
}
else
{
    MessageBox.Show("Please Enter Name....");
    return;
}
if (txtEmail.Text.Length > 0)
{
    email = txtEmail.Text;
}
else
{
    MessageBox.Show("Please Enter Email....");
    return;
}
if (txtMobile.Text.Length > 0)
{
    mobile = txtMobile.Text;
}
else
{
    MessageBox.Show("Please Enter Mobile....");
    return;
}
try
{
    dob = Convert.ToDateTime(txtDOB.Text);
catch
    MessageBox.Show("Invalid Format of DOB....");
    return;
}
DataRow dr = ds.Tables["student"].NewRow();
dr[0] = enrollno;
dr[1] = courseid;
dr[2] = classid;
dr[3] = rollno;
dr[4] = name;
dr[5] = email;
dr[6] = mobile;
dr[7] = dob;
ds.Tables["student"].Rows.Add(dr);
da.Update(ds.Tables["student"]);
MessageBox.Show("Student Inserted Successfully");
txtEnrollNo.Text = "";
```

```
comboBoxCourse.SelectedValue = 1;
comboBoxClass.SelectedValue = 1;
txtRollNo.Text = "";
txtName.Text = "";
txtEmail.Text = "";
txtMobile.Text = "";
txtDOB.Text = "";

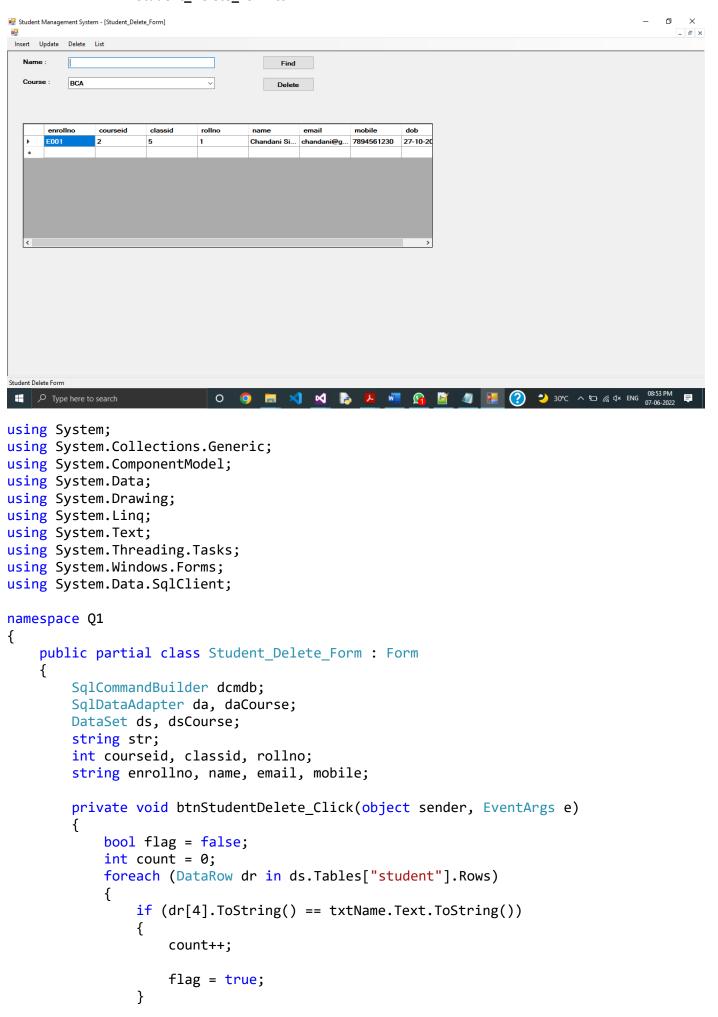
// load_grid();
// load_course();
}
}
```



```
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;
using System.Data.SqlClient;
namespace Q1
{
    public partial class Student_Update_Form : Form
        SqlCommandBuilder dcmdb;
        SqlDataAdapter da, daCourse, daClass;
        DataSet ds, dsCourse, dsClass;
        string str;
        int courseid, classid, rollno;
        string enrollno, name, email, mobile;
        DateTime dob;
        public Student_Update_Form()
            InitializeComponent();
            da = new SqlDataAdapter("select * from student", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dcmdb = new SqlCommandBuilder(da);
            ds = new DataSet();
```

```
load_grid();
}
private void load_grid()
    da.Fill(ds, "student");
    dataGridViewStudent.DataSource = ds.Tables["student"];
    dataGridViewStudent.Refresh();
}
private void btnStudentFind_Click(object sender, EventArgs e)
    bool flag = false;
    foreach (DataRow dr in ds.Tables["student"].Rows)
        if(dr[0].ToString() == txtEnrollNo.Text.ToString())
        {
            txtEmail.Text = dr[5].ToString();
            txtMobile.Text = dr[6].ToString();
            txtDOB.Text = Convert.ToDateTime(dr[7]).ToShortDateString();
            flag = true;
            break;
        }
    if (flag == false)
        MessageBox.Show("No Record Found...");
        txtEnrollNo.Text = "";
        return;
    }
}
private void btnStudentUpdate Click(object sender, EventArgs e)
    bool flag = false;
    foreach (DataRow dr in ds.Tables["student"].Rows)
    {
        if (dr[0].ToString() == txtEnrollNo.Text.ToString())
        {
            email = txtEmail.Text.ToString();
            mobile = txtMobile.Text.ToString();
            dob = Convert.ToDateTime(txtDOB.Text);
            dr[5] = email;
            dr[6] = mobile;
            dr[7] = dob;
            flag = true;
            break;
        }
    if (flag == false)
        MessageBox.Show("Invalid EnrollNo...");
        return;
    }
    else
    {
        MessageBox.Show("Student Updated Successfully");
        da.Update(ds.Tables["student"]);
```

```
}
txtEnrollNo.Text = "";
txtEmail.Text = "";
txtMobile.Text = "";
txtDOB.Text = "";
}
}
```



```
if (flag == true)
                bool delflag = false;
                if (count == 1)
                {
                    foreach (DataRow dr in ds.Tables["student"].Rows)
                        if (dr[4].ToString() == txtName.Text.ToString())
                        {
                             ds.Tables["student"].Rows.Remove(dr);
                            delflag = true;
                        }
                    }
                }
                else if (count > 1)
                    courseid = Convert.ToInt32(comboBoxCourse.SelectedValue);
                    foreach (DataRow dr in ds.Tables["student"].Rows)
                        if ((dr[4].ToString() == txtName.Text.ToString()) &&
(dr[1].ToString() == courseid.ToString()))
                        {
                            ds.Tables["student"].Rows.Remove(dr);
                            delflag = true;
                        }
                    }
                }
                if (delflag == true)
                    MessageBox.Show("Student Record Deleted Successfully");
                    txtName.Text = "";
                    da.Update(ds.Tables["student"]);
                    return;
                }
                else
                {
                    MessageBox.Show("Invalid Course...");
                    return;
                }
            }
            else
            {
                MessageBox.Show("No Record Found...");
                return;
            }
        }
        DateTime dob;
        public Student_Delete_Form()
            InitializeComponent();
            da = new SqlDataAdapter("select * from student", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dcmdb = new SqlCommandBuilder(da);
```

```
ds = new DataSet();
            load_grid();
            daCourse = new SqlDataAdapter("select * from course", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dsCourse = new DataSet();
            load_course();
        }
        private void load_grid()
            da.Fill(ds, "student");
            dataGridViewStudent.DataSource = ds.Tables["student"];
            dataGridViewStudent.Refresh();
        private void load course()
            daCourse.Fill(dsCourse, "course");
            comboBoxCourse.DataSource = dsCourse.Tables["course"];
            comboBoxCourse.DisplayMember =
dsCourse.Tables["course"].Columns[1].ToString();
            comboBoxCourse.ValueMember =
dsCourse.Tables["course"].Columns[0].ToString();
            comboBoxCourse.Refresh();
        private void btnStudentFind Click(object sender, EventArgs e)
            bool flag = false;
            int count = 0;
            foreach (DataRow dr in ds.Tables["student"].Rows)
                if (dr[4].ToString() == txtName.Text.ToString())
                {
                    count++;
                    flag = true;
                }
            if(flag == true)
                if (count == 1)
                    MessageBox.Show("Student Record Found");
                else if(count > 1)
                    MessageBox.Show("Multiple Student Record Found with this
Name...Please Select Course...");
                }
            }
            else
                MessageBox.Show("No Record Found...");
                return;
            }
        }
    }
}
```



```
private void load_grid()
            da.Fill(ds, "student");
            dataGridViewStudent.DataSource = ds.Tables["student"];
            dataGridViewStudent.Refresh();
        }
        private void btnStudentFind_Click(object sender, EventArgs e)
            try
            {
                dobYear = Convert.ToInt32(txtDOBYear.Text);
            }
            catch
                MessageBox.Show("Invalid Format of DOB....");
                return;
            }
            da = new SqlDataAdapter("select * from student where DOB BETWEEN
'"+dobYear.ToString()+ "-01-01' AND '" + dobYear.ToString() + "-12-31'", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dcmdb = new SqlCommandBuilder(da);
            ds = new DataSet();
            load_grid();
        }
    }
}
```

```
------ Tables
USE [chandani]
GO
/***** Object: Table [dbo].[course] Script Date: 23-05-2022 10:47:21 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[course](
     [course_id] [int] NOT NULL,
     [course_name] [nvarchar](20) NULL,
CONSTRAINT [PK_course] PRIMARY KEY CLUSTERED
(
     [course_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
USE [chandani]
GO
SET ANSI_NULLS ON
GO
```

```
GO
CREATE TABLE [dbo].[class](
      [class_id] [int] NOT NULL,
      [course_id] [int] NOT NULL,
      [class_name] [nvarchar](20) NULL,
CONSTRAINT [PK_class] PRIMARY KEY CLUSTERED
(
      [class_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW PAGE LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
ALTER TABLE [dbo].[class] WITH CHECK ADD CONSTRAINT [FK_class_class] FOREIGN KEY([course_id])
REFERENCES [dbo].[course] ([course_id])
GO
ALTER TABLE [dbo].[class] CHECK CONSTRAINT [FK_class_class]
GO
USE [chandani]
GO
SET ANSI_NULLS ON
GO
```

SET QUOTED_IDENTIFIER ON

SET QUOTED_IDENTIFIER ON

```
CREATE TABLE [dbo].[student](
       [enrollno] [nvarchar](20) NOT NULL,
       [courseid] [int] NOT NULL,
       [classid] [int] NOT NULL,
       [rollno] [int] NOT NULL,
       [name] [nvarchar](30) NOT NULL,
       [email] [nvarchar](50) NULL,
       [mobile] [nvarchar](20) NULL,
       [dob] [date] NOT NULL,
CONSTRAINT [PK_student] PRIMARY KEY CLUSTERED
(
       [enrollno] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
ALTER TABLE [dbo].[student] WITH CHECK ADD CONSTRAINT [FK_student_class] FOREIGN KEY([classid])
REFERENCES [dbo].[class] ([class_id])
GO
ALTER TABLE [dbo].[student] CHECK CONSTRAINT [FK student class]
GO
ALTER TABLE [dbo].[student] WITH CHECK ADD CONSTRAINT [FK_student_course] FOREIGN KEY([courseid])
REFERENCES [dbo].[course] ([course_id])
GO
ALTER TABLE [dbo].[student] CHECK CONSTRAINT [FK_student_course]
GO
```

/*

- 2. Consider following database tables and create a MDI Application with Menu options to perform desired operations
- a. Department(dno, name, location)
- b. Employee (eno, dno, name, dob, designation, salary)

Provide facility to perform following operations,

- 1. Employee creation (department name should be selected from combo box)
- 2. Search list of employees from specific department.
- 3. Search list of employees with working at specific location.
- 4. Search the employees whose age is more than 40 years (use dob and today's date)
- 5. Give increment to employees with specific designation as per given percentage.

Note: Demonstrate the use of various controls suitable for the operations.

*/

------ MDIParent1.cs

```
ā X
🖳 Employee Management System
Insert Update List Search
toolStripStatusLabel1
                         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 Q2
{
   public partial class MDIParent1 : Form
       private int childFormNumber = 0;
       public MDIParent1()
           InitializeComponent();
       Form child;
       private void departmentInsertToolStripMenuItem_Click(object sender, EventArgs
e)
       {
           if (childFormNumber != 0)
               child.Dispose();
               childFormNumber = 0;
           child = new Department_Insert_Form();
           child.MdiParent = this;
           toolStripStatusLabel1.Text = "Department Insert Form";
            child.Show();
            childFormNumber = 1;
```

```
}
        private void employeeInsertToolStripMenuItem_Click(object sender, EventArgs e)
            if (childFormNumber != 0)
            {
                child.Dispose();
                childFormNumber = 0;
            }
            child = new Employee_Insert_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Employee Insert Form";
            child.Show();
            childFormNumber = 1;
        }
        private void salaryUpdateToolStripMenuItem Click(object sender, EventArgs e)
            if (childFormNumber != 0)
            {
                child.Dispose();
                childFormNumber = 0;
            child = new Salary_Update_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Salary Update Form";
            child.Show();
            childFormNumber = 1;
        }
        private void allDepartmentListToolStripMenuItem_Click(object sender, EventArgs
e)
        {
            if (childFormNumber != 0)
                child.Dispose();
                childFormNumber = 0;
            }
            child = new Department List Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Department List Form";
            child.Show();
            childFormNumber = 1;
        }
        private void allEmployeeListToolStripMenuItem Click(object sender, EventArgs
e)
        {
            if (childFormNumber != 0)
            {
                child.Dispose();
                childFormNumber = 0;
            child = new Employee_List_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Employee List Form";
            child.Show();
            childFormNumber = 1;
        }
```

```
private void searchByDepartmentToolStripMenuItem_Click(object sender,
EventArgs e)
        {
            if (childFormNumber != 0)
            {
                child.Dispose();
                childFormNumber = 0;
            child = new Search_By_Department_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Search By Department Form";
            child.Show();
            childFormNumber = 1;
        }
        private void searchByLocationToolStripMenuItem Click(object sender, EventArgs
e)
        {
            if (childFormNumber != 0)
            {
                child.Dispose();
                childFormNumber = 0;
            }
            child = new Search_By_Location_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Search By Location Form";
            child.Show();
            childFormNumber = 1;
        }
        private void searchByAgeToolStripMenuItem_Click(object sender, EventArgs e)
            if (childFormNumber != 0)
            {
                child.Dispose();
                childFormNumber = 0;
            }
            child = new Search By Age Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Search By Age Form";
            child.Show();
            childFormNumber = 1;
        }
    }
}
```

----- Department_Insert_Form.cs ------- 0 X Employee Management System - [Department_Insert_Form] Insert Update List Search Department No : Department Name : Add Department Location : HR Surat ement Surat Sales Mumbai ② 30°C ヘ ♣□ // √ ENG 09:02 PM Type here to search 🧿 📰 刘 🗹 🖺 💹 🚾 😘 📓 🐠 🔡 🕗 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; using System.Data.SqlClient; namespace Q2 { public partial class Department_Insert_Form : Form SqlCommandBuilder dcmdb; SqlDataAdapter da; DataSet ds; string str; public Department_Insert_Form() InitializeComponent(); da = new SqlDataAdapter("select * from dept", "Data Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User ID=sa;Password=sa123"); dcmdb = new SqlCommandBuilder(da); ds = new DataSet(); load_grid();

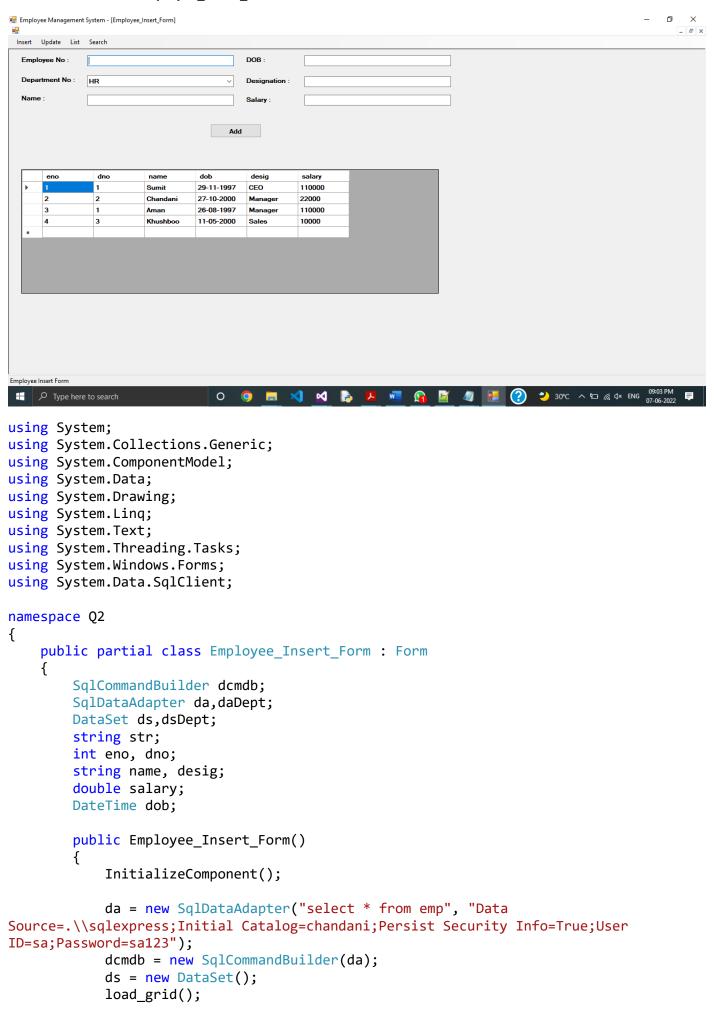
private void load_grid()

da.Fill(ds, "dept");

```
dataGridViewDept.DataSource = ds.Tables["dept"];
    dataGridViewDept.Refresh();
}
private void btnDeptAdd_Click(object sender, EventArgs e)
    int dno;
    string dname,location;
    try
    {
        dno = Convert.ToInt32(txtDeptNo.Text);
    }
    catch
        MessageBox.Show("Invailed Dept No....");
        return;
    }
    if (txtDeptName.Text.Length > 0)
        dname = txtDeptName.Text;
    }
    else
        MessageBox.Show("Please Enter Dept Name....");
        return;
    }
    if (txtDeptLocation.Text.Length > 0)
    {
        location = txtDeptLocation.Text;
    }
    else
    {
        MessageBox.Show("Please Enter Dept Location....");
        return;
    }
    DataRow dr = ds.Tables["dept"].NewRow();
    dr[0] = dno;
    dr[1] = dname;
    dr[2] = location;
    ds.Tables["dept"].Rows.Add(dr);
    da.Update(ds.Tables["dept"]);
    MessageBox.Show("Dept Inserted Successfully");
    txtDeptNo.Text = "";
    txtDeptName.Text = "";
    txtDeptLocation.Text = "";
    load_grid();
}
```

}

}



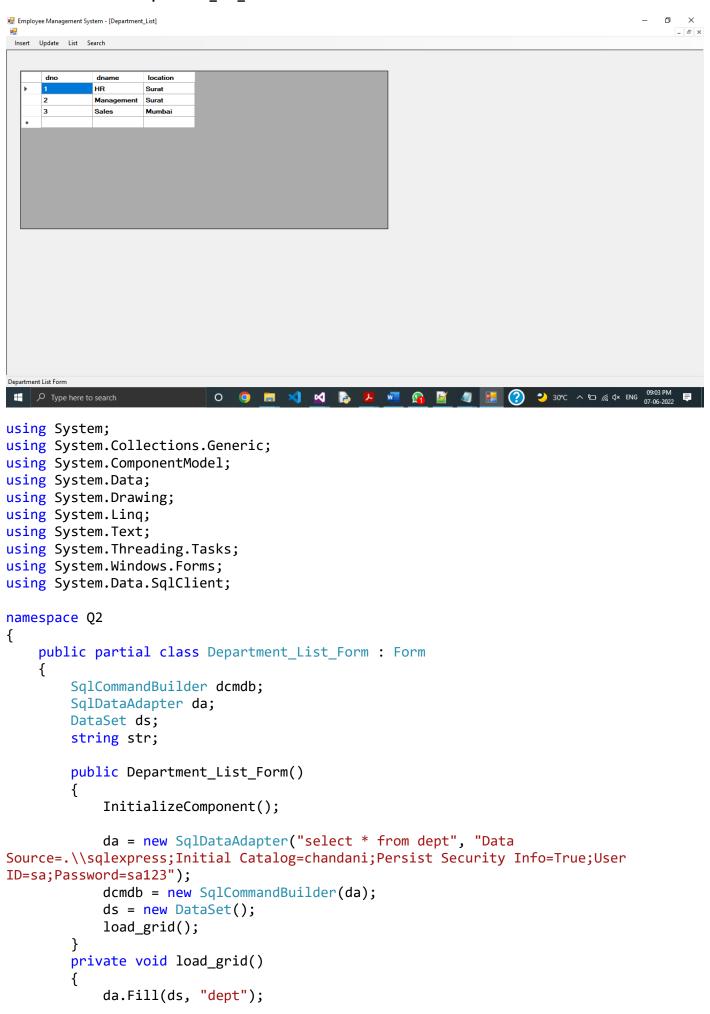
```
daDept = new SqlDataAdapter("select * from dept", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dsDept = new DataSet();
            load_dept();
        }
        private void load_grid()
            da.Fill(ds, "emp");
            dataGridViewEmp.DataSource = ds.Tables["emp"];
            dataGridViewEmp.Refresh();
        }
        private void load_dept()
            daDept.Fill(dsDept, "dept");
            comboBoxDept.DataSource = dsDept.Tables["dept"];
            comboBoxDept.DisplayMember = dsDept.Tables["dept"].Columns[1].ToString();
            comboBoxDept.ValueMember = dsDept.Tables["dept"].Columns[0].ToString();
            comboBoxDept.Refresh();
        }
        private void btnEmpAdd_Click(object sender, EventArgs e)
            try
            {
                eno = Convert.ToInt32(txtEmpNo.Text);
            }
            catch
            {
                MessageBox.Show("Invailed Emp No....");
                return:
            }
            try
            {
                dno = Convert.ToInt32(comboBoxDept.SelectedValue);
            catch
                MessageBox.Show("Please Select Valid Dept....");
                return;
            }
            if (txtName.Text.Length > 0)
            {
                name = txtName.Text;
            }
            else
            {
                MessageBox.Show("Please Enter Dept Name....");
                return;
            }
            try
            {
                dob = Convert.ToDateTime(txtDOB.Text);
            }
```

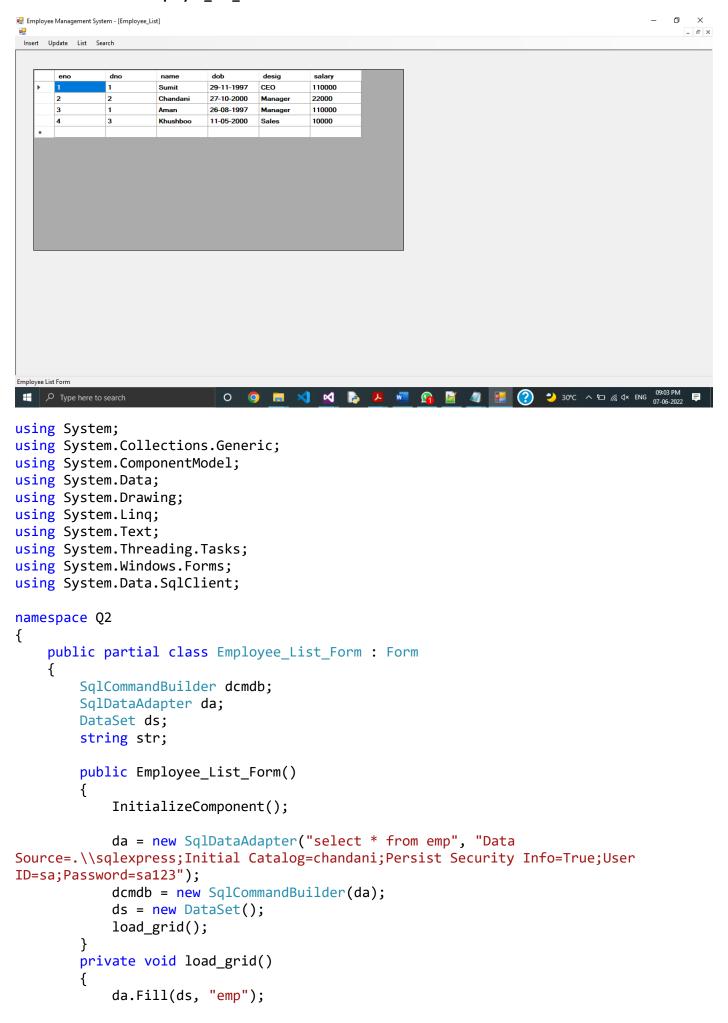
```
catch
    {
        MessageBox.Show("Invalid Format of DOB....");
        return;
    }
    if (txtDesignation.Text.Length > 0)
        desig = txtDesignation.Text;
    }
    else
    {
        MessageBox.Show("Please Enter Designation....");
        return;
    }
    try
        salary = Convert.ToDouble(txtSalary.Text);
    }
    catch
    {
        MessageBox.Show("Please Enter Salary....");
        return;
    }
    DataRow dr = ds.Tables["emp"].NewRow();
    dr[0] = eno;
    dr[1] = dno;
    dr[2] = name;
    dr[3] = dob;
    dr[4] = desig;
    dr[5] = salary;
    ds.Tables["emp"].Rows.Add(dr);
    da.Update(ds.Tables["emp"]);
    MessageBox.Show("Emp Inserted Successfully");
    txtEmpNo.Text = "";
    comboBoxDept.SelectedValue = 1;
    txtName.Text = "";
    txtDOB.Text = "";
    txtDesignation.Text = "";
    txtSalary.Text = "";
    load_grid();
    load_dept();
}
```

}

}

------ Department_List_Form.cs -------

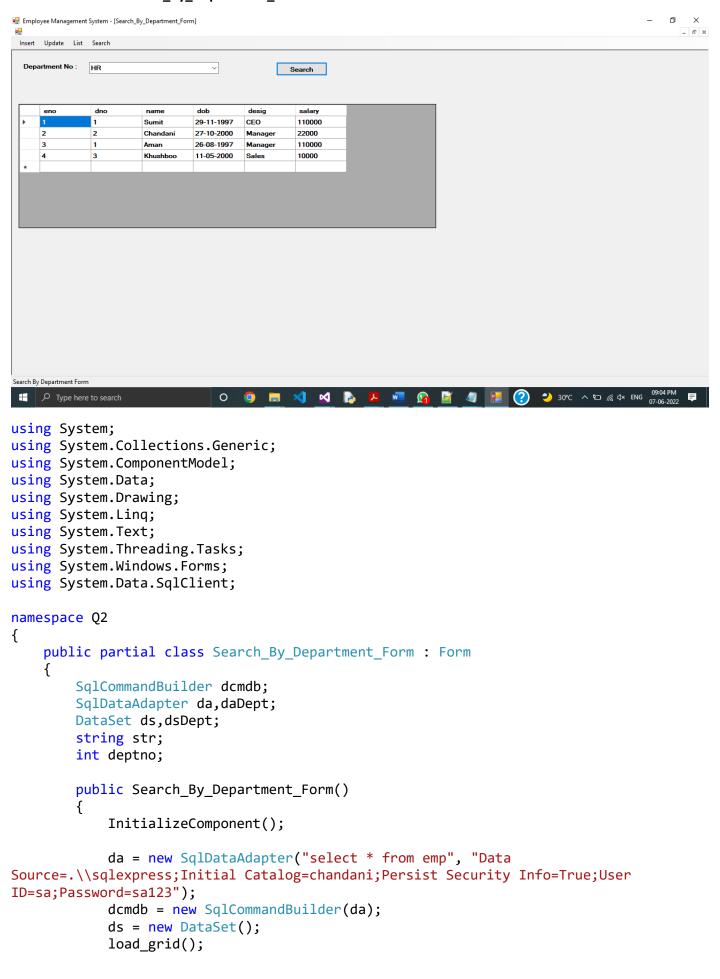




```
dataGridViewEmp.DataSource = ds.Tables["emp"];
              dataGridViewEmp.Refresh();
         }
    }
}
            ------ Salary_Update_Form.cs ------
🖳 Employee Management System - [Salary_Update_Form]
 Insert Update List Search
 Designation:
                                            Find
  Increment Percentage :
                                            Update
             dno
                     name
                             dob
                                     desig
                                             salary
                                            110000
                             29-11-1997
                     Sumit
                                    CEO
                            27-10-2000
                                            22000
                     Chandani
                                    Manager
                                            110000
                             26-08-1997
                                    Manager
                     Aman
                                            10000
                     Khushboo
                             11-05-2000
                                    Sales
Salary Update Form
                               O 🧿 🔚 刘 🔌 🔓 🚣 🚾 😭 📓 🥒 🙋 ② ೨ 30°C ∧ № 点 d× ENG 07-06-2022
Type here to search
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;
using System.Data.SqlClient;
namespace Q2
{
    public partial class Salary_Update_Form : Form
         SqlCommandBuilder dcmdb;
         SqlDataAdapter da;
         DataSet ds;
         string str;
         string location;
         string desig;
         double incper,salary;
         public Salary_Update_Form()
              InitializeComponent();
```

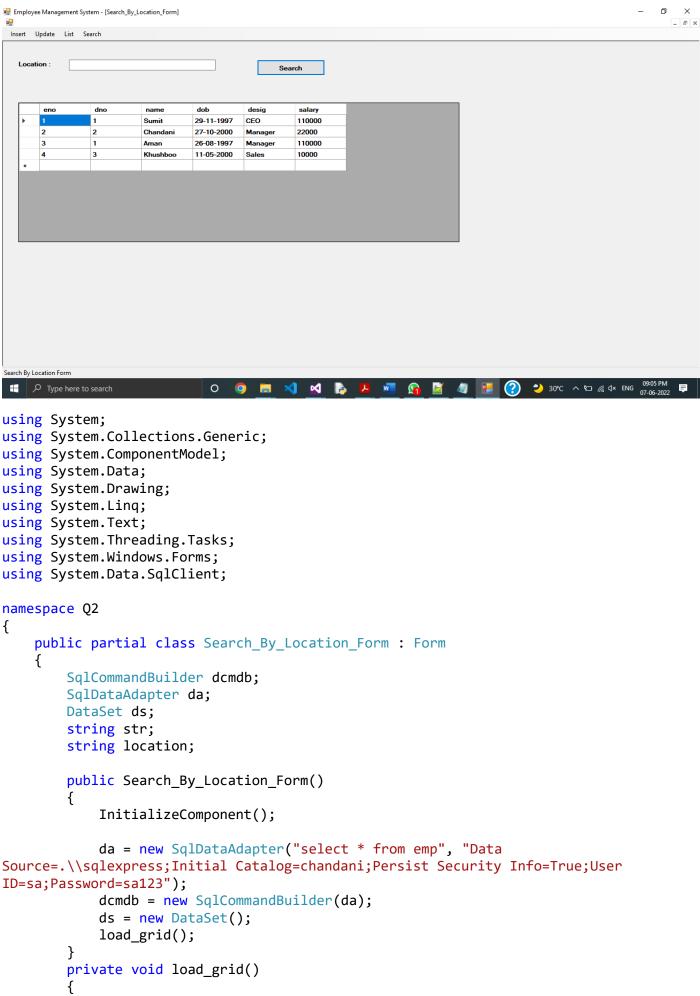
```
da = new SqlDataAdapter("select * from emp", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dcmdb = new SqlCommandBuilder(da);
            ds = new DataSet();
            load_grid();
        }
        private void load_grid()
            da.Fill(ds, "emp");
            dataGridViewEmp.DataSource = ds.Tables["emp"];
            dataGridViewEmp.Refresh();
        }
        private void btnDesigFind_Click(object sender, EventArgs e)
            if(txtDesignation.Text.Length > 0)
                bool flag = false;
                foreach (DataRow dr in ds.Tables["emp"].Rows)
                    if (dr[4].ToString() == txtDesignation.Text.ToString())
                        flag = true;
                        break;
                    }
                if (flag == false)
                    MessageBox.Show("No Record Found...");
                   // txtDesignation.Text = "";
                    return;
                }
                else
                {
                    MessageBox.Show("Record Found...");
                    da = new SqlDataAdapter("select * from emp where desig = '" +
desig +"'", "Data Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security
Info=True;User ID=sa;Password=sa123");
                    dcmdb = new SqlCommandBuilder(da);
                    ds = new DataSet();
                    load_grid();
                }
            }
        }
        private void btnSalaryUpdate_Click(object sender, EventArgs e)
        {
            if (txtDesignation.Text.Length > 0)
                desig = txtDesignation.Text.ToString();
                try
                {
                    incper = Convert.ToDouble(txtIncPer.Text);
                    MessageBox.Show(incper.ToString());
                }
                catch
```

```
{
                    MessageBox.Show("Invalid Increament Percentage...");
                    //txtIncPer.Text = "";
                    return;
                }
                bool flag = false;
                foreach (DataRow dr in ds.Tables["emp"].Rows)
                    if (dr[4].ToString() == txtDesignation.Text.ToString())
                        salary = Convert.ToDouble(dr[5].ToString());
                        salary = salary + (salary * incper);
                        flag = true;
                        dr[5] = salary.ToString();
                    }
                }
                if (flag == false)
                    MessageBox.Show("Designation Not Found...");
                    return;
                }
                else
                {
                    MessageBox.Show("Salary Record Updated Successfully...");
                    txtDesignation.Text = "";
                    da.Update(ds.Tables["emp"]);
                    da = new SqlDataAdapter("select * from emp", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
                    dcmdb = new SqlCommandBuilder(da);
                    ds = new DataSet();
                    load_grid();
                }
            }
        }
    }
}
```



```
daDept = new SqlDataAdapter("select * from dept", "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dsDept = new DataSet();
            load_dept();
        private void load grid()
            da.Fill(ds, "emp");
            dataGridViewEmp.DataSource = ds.Tables["emp"];
            dataGridViewEmp.Refresh();
        }
        private void load_dept()
            daDept.Fill(dsDept, "dept");
            comboBoxDeptNo.DataSource = dsDept.Tables["dept"];
            comboBoxDeptNo.DisplayMember =
dsDept.Tables["dept"].Columns[1].ToString();
            comboBoxDeptNo.ValueMember = dsDept.Tables["dept"].Columns[0].ToString();
            comboBoxDeptNo.Refresh();
        }
        private void btnSearchByDept_Click(object sender, EventArgs e)
            try
            {
                deptno = Convert.ToInt32(comboBoxDeptNo.SelectedValue.ToString());
            }
            catch
            {
                MessageBox.Show("Invalid Dept No....");
                return;
            da = new SqlDataAdapter("select * from emp where dno = "+deptno, "Data
Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            dcmdb = new SqlCommandBuilder(da);
            ds = new DataSet();
            load_grid();
        }
    }
}
```

------ Search_By_Location_Form.cs ------



```
da.Fill(ds, "emp");
             dataGridViewEmp.DataSource = ds.Tables["emp"];
             dataGridViewEmp.Refresh();
         }
         private void btnSearchByLoc_Click(object sender, EventArgs e)
              if(txtLocation.Text.Length > 0)
             {
                  location = txtLocation.Text.ToString();
              }
             else
             {
                  MessageBox.Show("Please Enter Location....");
                  return;
              }
             da = new SqlDataAdapter("select e.* from emp e,dept d where d.dno = e.dno
and d.location = '"+location+"'", "Data Source=.\\sqlexpress;Initial
Catalog=chandani;Persist Security Info=True;User ID=sa;Password=sa123");
             dcmdb = new SqlCommandBuilder(da);
             ds = new DataSet();
             load_grid();
         }
    }
}
```

------ Search_By_Age_Form.cs ------- 0 X Employee Management System - [Search_By_Age_Form] Insert Update List Search 29-11-1997 27-10-2000 Manage 26-08-1997 Manager Khushboo 11-05-2000 ② 30°C ヘ ♣□ // √ ENG 09:05 PM 🧿 🔚 刘 🗹 📭 🔼 🚾 🔓 🚇 💹 💽 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; using System.Data.SqlClient; namespace Q2 { public partial class Search_By_Age_Form : Form SqlCommandBuilder dcmdb; SqlDataAdapter da; DataSet ds; string str; string location; int age; public Search_By_Age_Form() { InitializeComponent(); da = new SqlDataAdapter("select * from emp", "Data Source=.\\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User ID=sa;Password=sa123");

dcmdb = new SqlCommandBuilder(da);

ds = new DataSet();

load_grid();

private void load_grid()

```
{
            da.Fill(ds, "emp");
            dataGridViewEmp.DataSource = ds.Tables["emp"];
            dataGridViewEmp.Refresh();
        }
        private void btnSearchByAge_Click(object sender, EventArgs e)
            try
            {
                age = Convert.ToInt32(txtAge.Text);
            }
            catch
            {
                MessageBox.Show("Invalid Age....");
                return;
            }
            MessageBox.Show("select * from emp where FLOOR(DATEDIFF(DAY,
dob,getdate()) / 365.25) > " + age);
            da = new SqlDataAdapter("select * from emp where FLOOR(DATEDIFF(DAY,
dob,getdate()) / 365.25) > " + age, "Data Source=.\\sqlexpress;Initial
Catalog=chandani;Persist Security Info=True;User ID=sa;Password=sa123");
            dcmdb = new SqlCommandBuilder(da);
            ds = new DataSet();
            load_grid();
        }
    }
}
```

```
------ Tables ------
USE [chandani]
GO
/***** Object: Table [dbo].[dept] Script Date: 23-05-2022 12:01:53 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[dept](
      [dno] [int] NOT NULL,
      [dname] [nvarchar](20) NOT NULL,
       [location] [nvarchar](30) NULL,
CONSTRAINT [PK_dept] PRIMARY KEY CLUSTERED
(
      [dno] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
USE [chandani]
GO
/***** Object: Table [dbo].[emp] Script Date: 23-05-2022 12:02:10 *****/
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[emp](
       [eno] [int] NOT NULL,
       [dno] [int] NOT NULL,
       [name] [nvarchar](30) NOT NULL,
       [dob] [date] NOT NULL,
       [desig] [nvarchar](30) NOT NULL,
       [salary] [nvarchar](10) NOT NULL,
CONSTRAINT [PK_emp] PRIMARY KEY CLUSTERED
(
       [eno] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
ALTER TABLE [dbo].[emp] WITH CHECK ADD CONSTRAINT [FK_emp_dept] FOREIGN KEY([dno])
REFERENCES [dbo].[dept] ([dno])
GO
ALTER TABLE [dbo].[emp] CHECK CONSTRAINT [FK_emp_dept]
GO
```

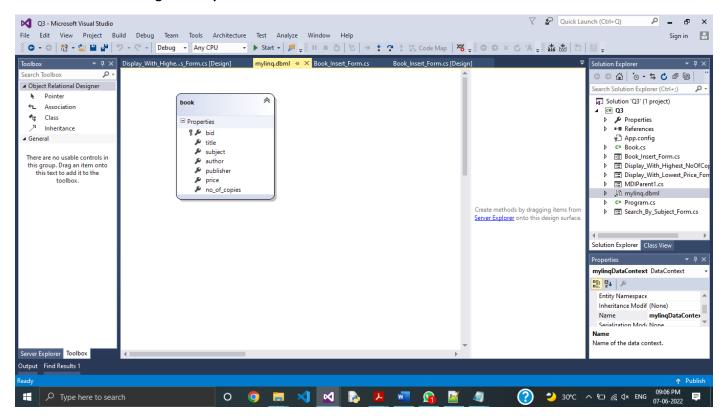
/*

- 3. Consider the following database table and perform the operations using LINQ. Book (bid, title, subject, author, publisher, price, no_of_copies)
- 1. New book entry
- 2. Search book list by subject.
- 3. Display the top five books with lowest prices.
- 4. Display the top five books with highest no of copies.

*/

------ mylinq.dbml

Get Database table drag and drop



------ MDIParent1.cs

```
ā X
Book Management System (using LINQ)
 Insert Search Display
toolStripStatusLabel1
                           O 🧿 🔚 刘 💅 🔓 🔼 🚾 😘 📓 🥒 📳 🕢 🔡 🔞 🔞 30°C ^ 🖅 🖟 d× ENG 07-06-2022
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 Q3
{
    public partial class MDIParent1 : Form
        private int childFormNumber = 0;
        public MDIParent1()
            InitializeComponent();
        Form child;
        private void bookInsertToolStripMenuItem_Click(object sender, EventArgs e)
             if (childFormNumber != 0)
                 child.Dispose();
                 childFormNumber = 0;
            child = new Book_Insert_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Book Insert Form";
             child.Show();
             childFormNumber = 1;
```

```
}
        private void searchBySubjectToolStripMenuItem_Click(object sender, EventArgs
e)
        {
            if (childFormNumber != 0)
            {
                child.Dispose();
                childFormNumber = 0;
            child = new Search_By_Subject_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Search_By_Subject Form";
            child.Show();
            childFormNumber = 1;
        }
        private void displayWithLowestPriceToolStripMenuItem_Click(object sender,
EventArgs e)
        {
            if (childFormNumber != 0)
            {
                child.Dispose();
                childFormNumber = 0;
            child = new Display_With_Lowest_Price_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Display_With_Lowest_Price_Form";
            child.Show();
            childFormNumber = 1;
        }
        private void displayWithToolStripMenuItem Click(object sender, EventArgs e)
            if (childFormNumber != 0)
            {
                child.Dispose();
                childFormNumber = 0;
            child = new Display_With_Highest_NoOfCopies_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Display_With_Highest_NoOfCopies_Form";
            child.Show();
            childFormNumber = 1;
        }
    }
}
```

------ Book_Insert_Form.cs ------- **D** × Hand Book Management System (using LINQ) - [Book_Insert_Form] Insert Search Display Book ID : Title Author Add publisher subject no_of_copies C# Beginners C# Chandani C++ Beginn... C++ ABC abc3 abc3 abc3 1200 abc34 abc34 **②** 30°C ヘ 🖫 🦟 석× ENG 09:07 PM 07-06-2022 🧿 📰 刘 🗹 🖺 💹 🚾 😘 📓 🐠 🔡 🕗 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 Q3 { public partial class Book_Insert_Form : Form { mylinqDataContext m; int bid, no_of_copies; string title, subject, author, publisher; float price; public Book_Insert_Form() { InitializeComponent(); m = new mylinqDataContext(); load_grid(); } private void load_grid() var v = from b in m.books

select b;

dataGridViewBook.DataSource = v;
dataGridViewBook.Refresh();

```
private void btnBookAdd_Click(object sender, EventArgs e)
    try
    {
        bid = Convert.ToInt32(txtBid.Text);
    catch
    {
        MessageBox.Show("Invalid Book ID...");
        return;
    }
    if(txtTitle.Text.Length > 0)
        title = txtTitle.Text.ToString();
    }
    else
    {
        MessageBox.Show("Please Enter Title...");
        return;
    }
    if (txtSubject.Text.Length > 0)
        subject = txtSubject.Text.ToString();
    }
    else
        MessageBox.Show("Please Enter Subject...");
        return;
    }
    if (txtAuthor.Text.Length > 0)
        author = txtAuthor.Text.ToString();
    }
    else
        MessageBox.Show("Please Enter Author...");
        return;
    }
    if (txtPublisher.Text.Length > 0)
        publisher = txtPublisher.Text.ToString();
    }
    else
        MessageBox.Show("Please Enter Publisher...");
        return;
    }
    try
        price = float.Parse(txtPrice.Text);
    catch
    {
```

```
MessageBox.Show("Invalid Price...");
                return;
            }
            try
            {
                no_of_copies = Convert.ToInt32(txtNoOfCopies.Text);
            }
            catch
            {
                MessageBox.Show("Invalid No Of Copies...");
                return;
            }
            book b = new book();
            b.bid = bid;
            b.title = title;
            b.subject = subject;
            b.author = author;
            b.publisher = publisher;
            b.price = price;
            b.no_of_copies = no_of_copies;
            m.books.InsertOnSubmit(b);
            m.SubmitChanges();
            load_grid();
        }
    }
}
```

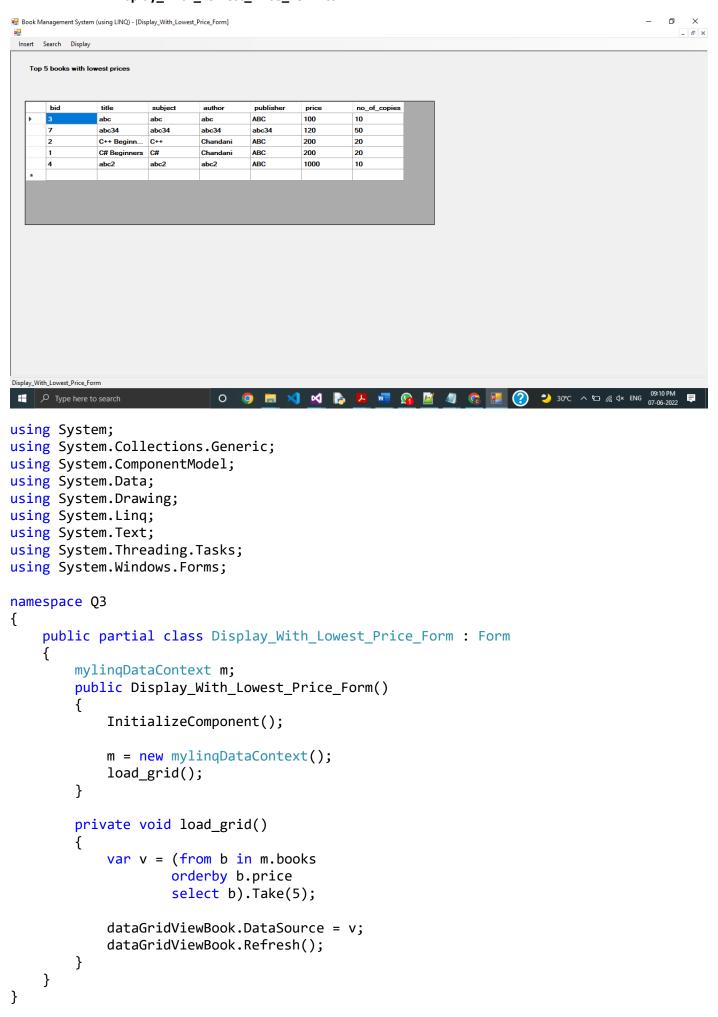
------ Search_By_Subject_Form.cs ------- 0 X Hand Book Management System (using LINQ) - [Search_By_Subject_Form] Insert Search Display Subject : Search subject price no_of_copies C# Beginners C# Chandani C++ Beginn... C++ Chandani 200 20 abc2 abc2 10 abc34 abc34 50 Search_By_Subject Form ② 30°C ヘ 🖫 🦟 석× ENG 09:07 PM 🧿 📰 刘 🗹 🖺 💹 🚾 😘 📓 🐠 🔡 🕗 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 Q3 { public partial class Search_By_Subject_Form : Form mylinqDataContext m; string subject; public Search_By_Subject_Form() { InitializeComponent(); m = new mylinqDataContext(); load_grid(); } private void load_grid() var v = from b in m.books select b; dataGridViewBook.DataSource = v; dataGridViewBook.Refresh();

private void btnSearchBySubject_Click(object sender, EventArgs e)

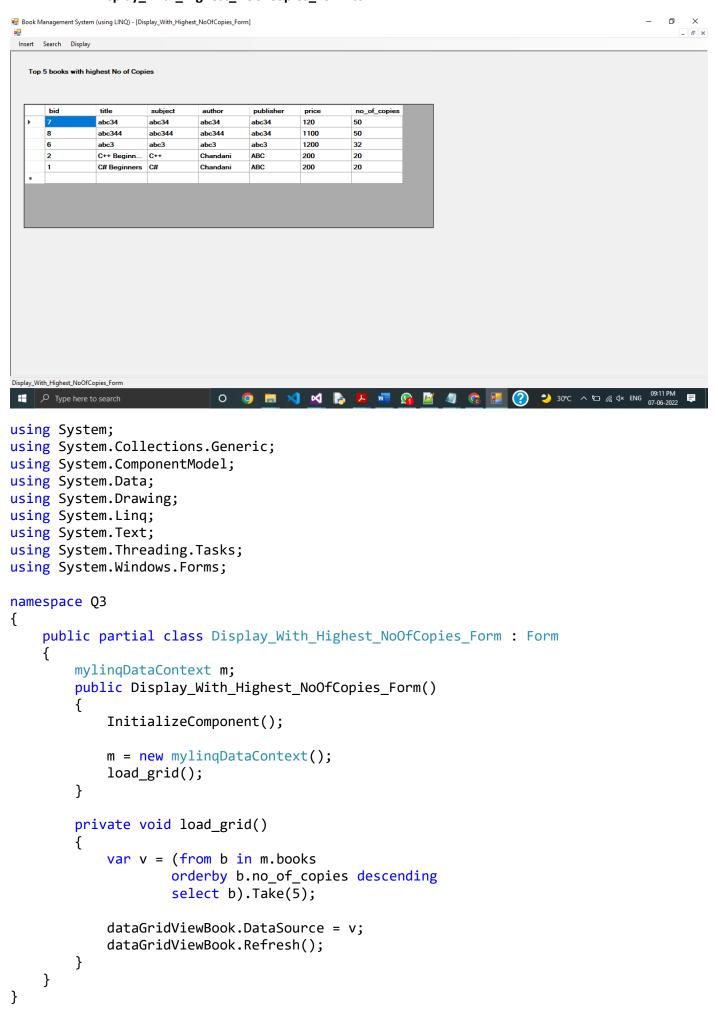
}

```
{
            if (txtSubject.Text.Length > 0)
            {
                subject = txtSubject.Text.ToString();
                var v = from b in m.books
                        where b.subject == subject.ToString()
                        select b;
                List<book> bl = new List<book>(v);
                if(bl.Count == 0)
                {
                    MessageBox.Show("Book with this Subject Not Found...");
                    return;
                }
                else
                {
                    dataGridViewBook.DataSource = v;
                    dataGridViewBook.Refresh();
                    MessageBox.Show("Book with this Subject Found...");
                    return;
                }
            }
            else
                MessageBox.Show("Please Enter Subject...");
                return;
            }
       }
   }
}
```

------ Display_With_Lowest_Price_Form.cs



------ Display_With_Highest_NoOfCopies_Form.cs



```
USE [chandani]
GO
/***** Object: Table [dbo].[book] Script Date: 23-05-2022 12:50:26 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[book](
       [bid] [int] NOT NULL,
       [title] [nvarchar](30) NOT NULL,
       [subject] [nvarchar](30) NOT NULL,
       [author] [nvarchar](30) NOT NULL,
       [publisher] [nvarchar](30) NOT NULL,
       [price] [real] NOT NULL,
       [no_of_copies] [int] NOT NULL,
CONSTRAINT [PK_book] PRIMARY KEY CLUSTERED
(
       [bid] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

------ Tables -----

GO