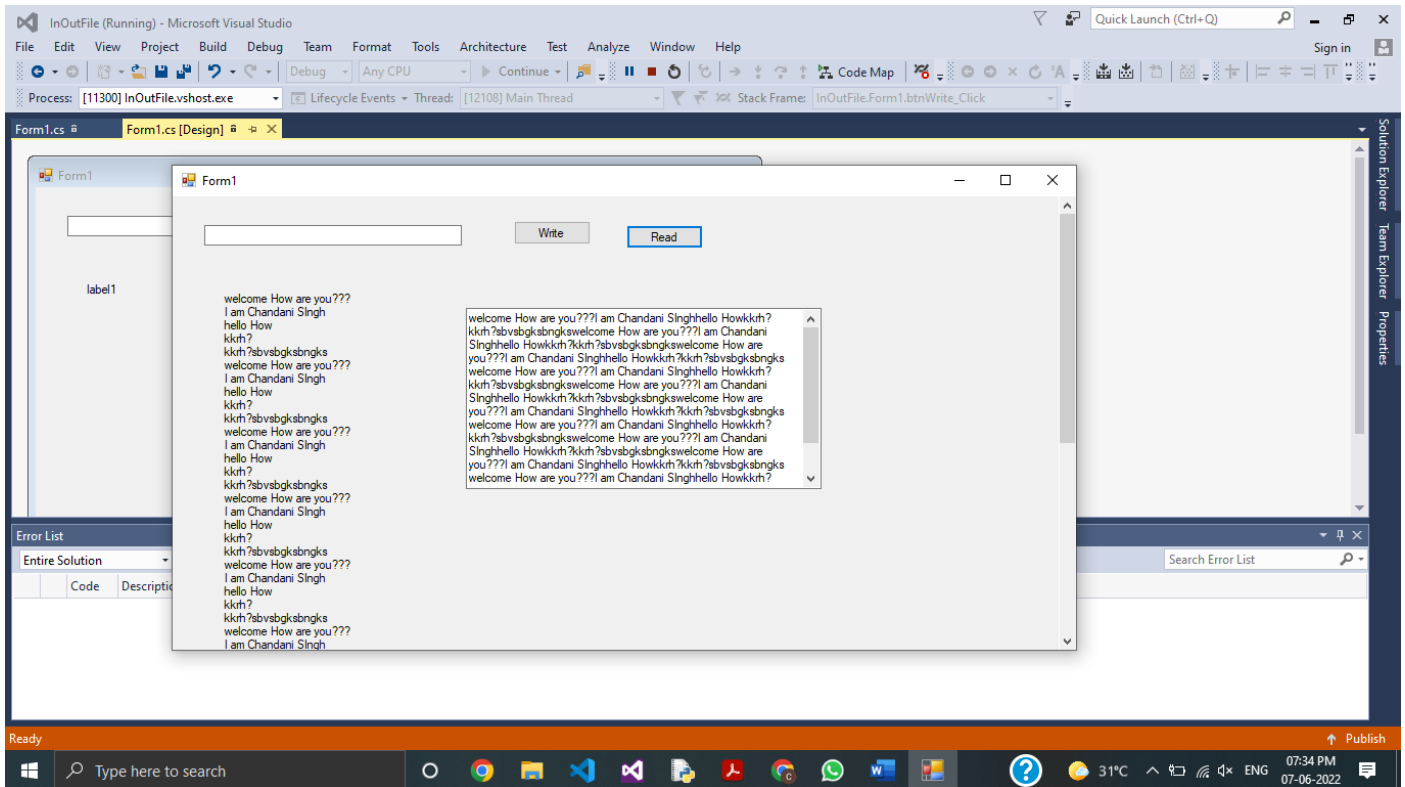


.Net Practical (207) – Extras

File Handling



```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.IO;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace InOutFile
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
            textBox2.ScrollBars = ScrollBars.Both;
        }

        private void btnWrite_Click(object sender, EventArgs e)
        {
            String str = textBox1.Text.ToString();

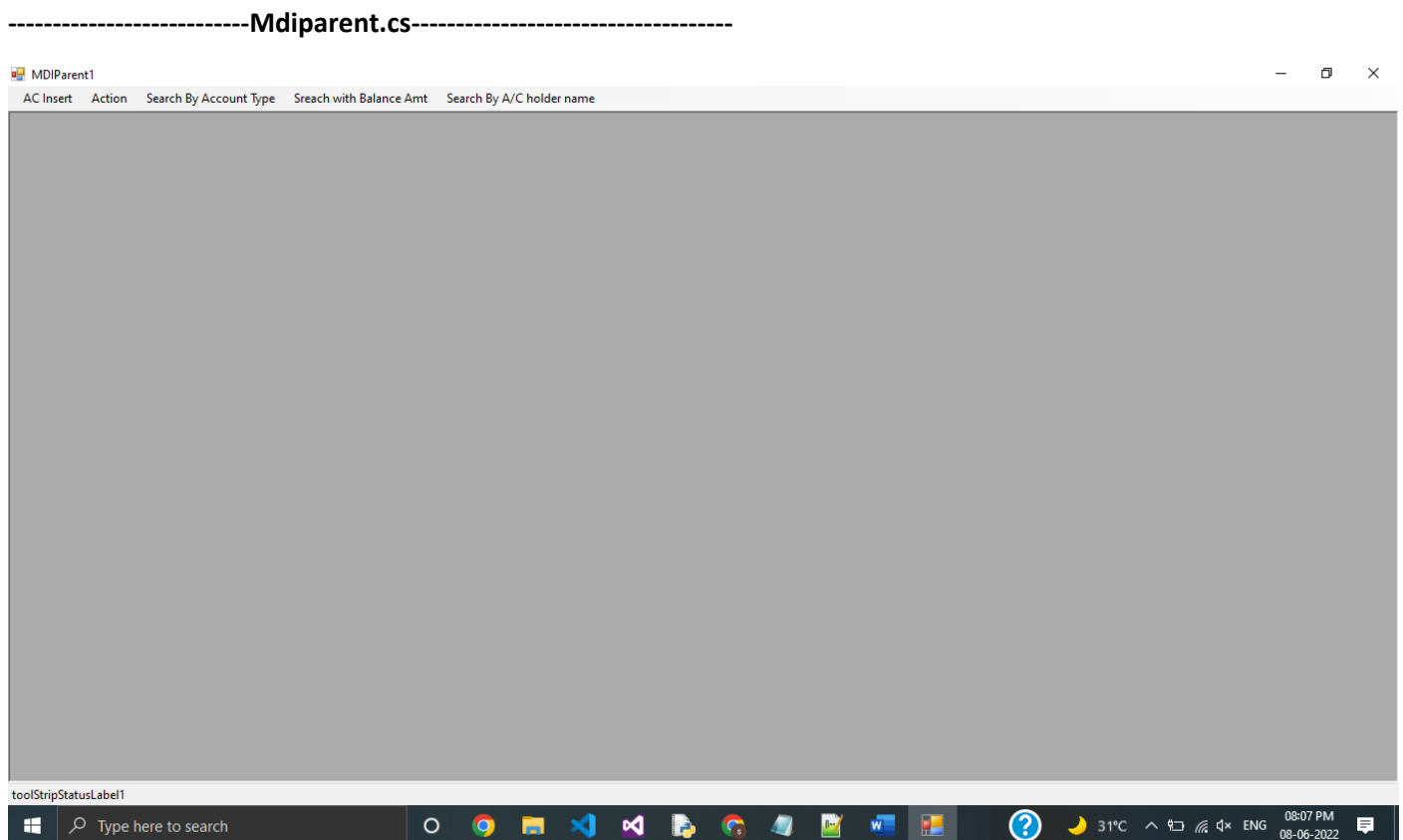
            FileStream fs = new FileStream("E:\\.MCA ( VNSGU )\\sem-2\\Final\\207-
NET_Prac\\Practice\\file handling\\text1.txt", FileMode.Append, FileAccess.Write);
            StreamWriter sw = new StreamWriter(fs);
            sw.WriteLine(str);
            sw.Close();
            fs.Close();
            MessageBox.Show("Text Inserted....");
        }

        private void btnRead_Click(object sender, EventArgs e)
        {
            FileStream fs = new FileStream("E:\\.MCA ( VNSGU )\\sem-2\\Final\\207-
NET_Prac\\Practice\\file handling\\text1.txt", FileMode.Open, FileAccess.Read);
            StreamReader sr = new StreamReader(fs);
            sr.BaseStream.Seek(0, SeekOrigin.Begin);
            String str = sr.ReadLine();
            String ans = str;
            while(str != null)
            {
                str = sr.ReadLine();
                ans += "\n"+str;
            }
            textBox2.Text = ans;
            label1.Text = ans;

            sr.Close();
            fs.Close();
        }
    }
}

```

Bank Management System



```
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 Bank_Management_System
{
    public partial class MDIParent1 : Form
    {
        private int childFormNumber = 0;

        public MDIParent1()
        {
            InitializeComponent();
        }

        Form child;

        private void depositToolStripMenuItem_Click(object sender, EventArgs e)
        {
            if(childFormNumber != 0)
            {
                child.Dispose();
                childFormNumber = 0;
            }
        }
    }
}
```

```

        child = new Account_Insert_Form();
        child.MdiParent = this;
        child.Show();
        toolStripStatusLabel1.Text = "Account Insert Form";
        childFormNumber = 1;
    }

    private void withdrawToolStripMenuItem_Click(object sender, EventArgs e)
    {
        if (childFormNumber != 0)
        {
            child.Dispose();
            childFormNumber = 0;
        }
        child = new Deposit_Form();
        child.MdiParent = this;
        child.Show();
        toolStripStatusLabel1.Text = "Action Amt Form";
        childFormNumber = 1;
    }

    private void searchByAccountTypeToolStripMenuItem_Click(object sender,
    EventArgs e)
    {
        if (childFormNumber != 0)
        {
            child.Dispose();
            childFormNumber = 0;
        }
        child = new Search_Type_Form();
        child.MdiParent = this;
        child.Show();
        toolStripStatusLabel1.Text = "Search_Type_Form";
        childFormNumber = 1;
    }

    private void sreachWithBalanceAmtToolStripMenuItem_Click(object sender,
    EventArgs e)
    {
        if (childFormNumber != 0)
        {
            child.Dispose();
            childFormNumber = 0;
        }
        child = new Search_Amt_Form();
        child.MdiParent = this;
        child.Show();
        toolStripStatusLabel1.Text = "Search Amt Form";
        childFormNumber = 1;
    }

    private void searchByACHolderNameToolStripMenuItem_Click(object sender,
    EventArgs e)
    {
        if (childFormNumber != 0)
        {
            child.Dispose();
            childFormNumber = 0;
        }
    }

```

```
        child = new Search_Name_Form();
        child.MdiParent = this;
        child.Show();
        toolStripStatusLabel1.Text = "Search Name Form";
        childFormNumber = 1;
    }
}
```

-----Account_Insert_Form.cs-----

MDIParent1 - [Account_Insert_Form]

AC Insert Action Search By Account Type Search with Balance Amt Search By A/C holder name

Account No. :

Name :

Type :

Balance :

Add

acno	name	type	balance
111	Aman	Saving	211004
112211221122	Chandani	saving	50000
123412	Sumit		234536
345235	ttttt	Current	34444

Account Insert Form

```
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 Bank_Management_System
{
    public partial class Account_Insert_Form : Form
    {
        String acno, name, type, balance;
        SqlDataAdapter da;
        DataSet ds;
        SqlCommandBuilder cmdb;

        public Account_Insert_Form()
        {
            InitializeComponent();
            cmbType.SelectedIndex = 0;
            da = new SqlDataAdapter("select * from account", "Data
Source=.\sqlserver;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            ds = new DataSet();
            cmdb = new SqlCommandBuilder(da);

            load_grid();
        }
        private void load_grid()
        {

```

```

        da.Fill(ds, "account");
        dataGridView1.DataSource = ds.Tables["account"];
        dataGridView1.Refresh();
    }
    private void btnAdd_Click(object sender, EventArgs e)
    {
        if(txtAcNo.Text.ToString().Length > 0 && txtName.Text.ToString().Length >
0 && txtBalance.Text.ToString().Length > 0 && cmbType.SelectedIndex != 0)
        {
            acno = txtAcNo.Text.ToString();
            name = txtName.Text.ToString();
            balance = txtBalance.Text.ToString();
            type = cmbType.Text.ToString();

            DataRow dr = ds.Tables["account"].NewRow();
            dr[0] = acno;
            dr[1] = name;
            dr[2] = type;
            dr[3] = balance;

            ds.Tables["account"].Rows.Add(dr);
            da.Update(ds.Tables["account"]);
            txtAcNo.Text = "";
            txtName.Text = "";
            txtBalance.Text = "";
            cmbType.SelectedIndex = 0;
            MessageBox.Show("Inserted Successfully");

        }
        else
        {
            MessageBox.Show("Please enter All Details...");
            return;
        }
    }
}
}
}
}

```

-----Deposit_Form.cs-----Action

MDIParent1 - [Deposit_Withdraw_Form]

AC Insert Action Search By Account Type Search with Balance Amt Search By A/C holder name

Account No. :

Name :

Type : Action

Amt :

acno	name	type	balance
111	Aman	Saving	211004
112211221122	Chandani	saving	50000
123412	Sumit		234536
345235	tttt	Current	34444

tno	tdt	acno	ttype	amt
1	12-10-2021	112211221122	deposit	10000
2	12-10-2021	111	Deposit	100
3	12-10-2021	111	Deposit	1000
4	12-10-2021	112211221122	Deposit	1000

Action Amt Form

```
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 Bank_Management_System
{
    public partial class Deposit_Form : Form
    {
        String acno, name, type, amt, cur_amt;
        SqlDataAdapter da, da2;
        DataSet ds, ds2;
        SqlCommandBuilder cmdb, cmdb2;
        public Deposit_Form()
        {
            InitializeComponent();
            cmbType.SelectedIndex = 0;
            da = new SqlDataAdapter("select * from account", "Data
Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            ds = new DataSet();
            cmdb = new SqlCommandBuilder(da);

            da2 = new SqlDataAdapter("select * from ac_trans", "Data
Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
```



```

        ds2 = new DataSet();
        cmdb2 = new SqlCommandBuilder(da2);

        load_grid();
    }
    private void load_grid()
    {
        da.Fill(ds, "account");
        dataGridView1.DataSource = ds.Tables["account"];
        dataGridView1.Refresh();

        da2.Fill(ds2, "ac_trans");
        dataGridView2.DataSource = ds2.Tables["ac_trans"];
        dataGridView2.Refresh();
    }

    private void btnAction_Click(object sender, EventArgs e)
    {
        if (txtAcNo.Text.ToString().Length > 0 && txtName.Text.ToString().Length >
0 && txtAmt.Text.ToString().Length > 0 && cmbType.SelectedIndex != 0)
        {
            acno = txtAcNo.Text.ToString();
            name = txtName.Text.ToString();
            amt = txtAmt.Text.ToString();
            type = cmbType.Text.ToString();

            bool flag = false;
            foreach(DataRow dr in ds.Tables["account"].Rows){
                if(dr[0].Equals(acno) && dr[1].Equals(name))
                {
                    cur_amt = dr[3].ToString();
                    flag = true;
                    break;
                }
            }

            if(flag == true)
            {
                //deposit
                if (cmbType.SelectedIndex == 1)
                {
                    DataRow dr = ds2.Tables["ac_trans"].NewRow();
                    dr[1] = "12/10/2021";
                    dr[2] = acno.ToString();
                    dr[3] = type.ToString();
                    dr[4] = float.Parse(amt.ToString());

                    foreach(DataRow drac in ds.Tables["account"].Rows)
                    {
                        if(drac[0].Equals(acno) && drac[1].Equals(name))
                        {
                            cur_amt = (float.Parse(drac[3].ToString()) +
float.Parse(amt.ToString())).ToString();
                            drac[3] = cur_amt;
                            da.Update(ds.Tables["account"]);
                        }
                    }
                }
            }
        }
    }

```

```

        ds2.Tables["ac_trans"].Rows.Add(dr);
        da2.Update(ds2.Tables["ac_trans"]);

        flag = true;
        break;
    }
}
if(flag == true)
{
    MessageBox.Show("Deposit Updated Succssfully"+cur_amt);
    return;
}
else
{
    MessageBox.Show("Error in Deposit" + cur_amt);
    return;
}
}
//withdraw
else if (cmbType.SelectedIndex == 2)
{
    DataRow dr = ds2.Tables["ac_trans"].NewRow();
    dr[1] = "12/10/2021";
    dr[2] = acno.ToString();
    dr[3] = type.ToString();
    dr[4] = float.Parse(amt.ToString());

    foreach (DataRow drac in ds.Tables["account"].Rows)
    {
        float diff;
        if (drac[0].Equals(acno) && drac[1].Equals(name))
        {
            float cur = float.Parse(cur_amt.ToString());
            float debit = float.Parse(amt.ToString());
            diff = cur - debit;
            if(diff > 1000) {
                MessageBox.Show(diff + " You can withdraw");
                cur_amt = (float.Parse(drac[3].ToString()) -
float.Parse(amt.ToString())).ToString();
                drac[3] = cur_amt;
                da.Update(ds.Tables["account"]);

                ds2.Tables["ac_trans"].Rows.Add(dr);
                da2.Update(ds2.Tables["ac_trans"]);

                flag = true;
                break;
            }
            else
            {
                MessageBox.Show(diff+" You have to Atleast 1000 Rs
in account...You can't Debit this much amt....");
                return;
            }
        }
    }
}

```

```

    }
}
if (flag == true)
{
    MessageBox.Show("Withdraw Updated Succssfully" + cur_amt);
    return;
}
else
{
    MessageBox.Show("Error in WithDraw" + cur_amt);
    return;
}
}
}

```

```

da.Update(ds.Tables["account"]);
txtAcNo.Text = "";
txtName.Text = "";
txtAmt.Text = "";
cmbType.SelectedIndex = 0;
MessageBox.Show("Action Done Successfully");
}
else
{
    MessageBox.Show("AcNo and Name Mismatch..Please Try Again");
}
}

```

```

}
else
{
    MessageBox.Show("Please enter All Details...");
    return;
}
}
}

```

```

}
}
}
}

```

-----Search_Type_Form.cs-----

MDIParent1 - [Search_Type_Form]

AC Insert Action Search By Account Type Search with Balance Amt Search By A/C holder name

Type :

	acno	name	type	balance
▶	111	Aman	Saving	211004
	112211221122	Chandani	saving	50000
*				

Search_Type_Form

Type here to search

31°C 08:09 PM 08-06-2022

```
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;
using System.Data.SqlClient;

namespace Bank_Management_System
{
    public partial class Search_Type_Form : Form
    {
        String acno, name, type, balance;
        SqlDataAdapter da;
        DataSet ds;
        SqlCommandBuilder cmdb;
        public Search_Type_Form()
        {
            InitializeComponent();

            cmbType.SelectedIndex = 0;
        }
        private void load_grid()
        {
            da.Fill(ds, "account");
            dataGridView1.DataSource = ds.Tables["account"];
            dataGridView1.Refresh();
        }
    }
}
```

```

    }

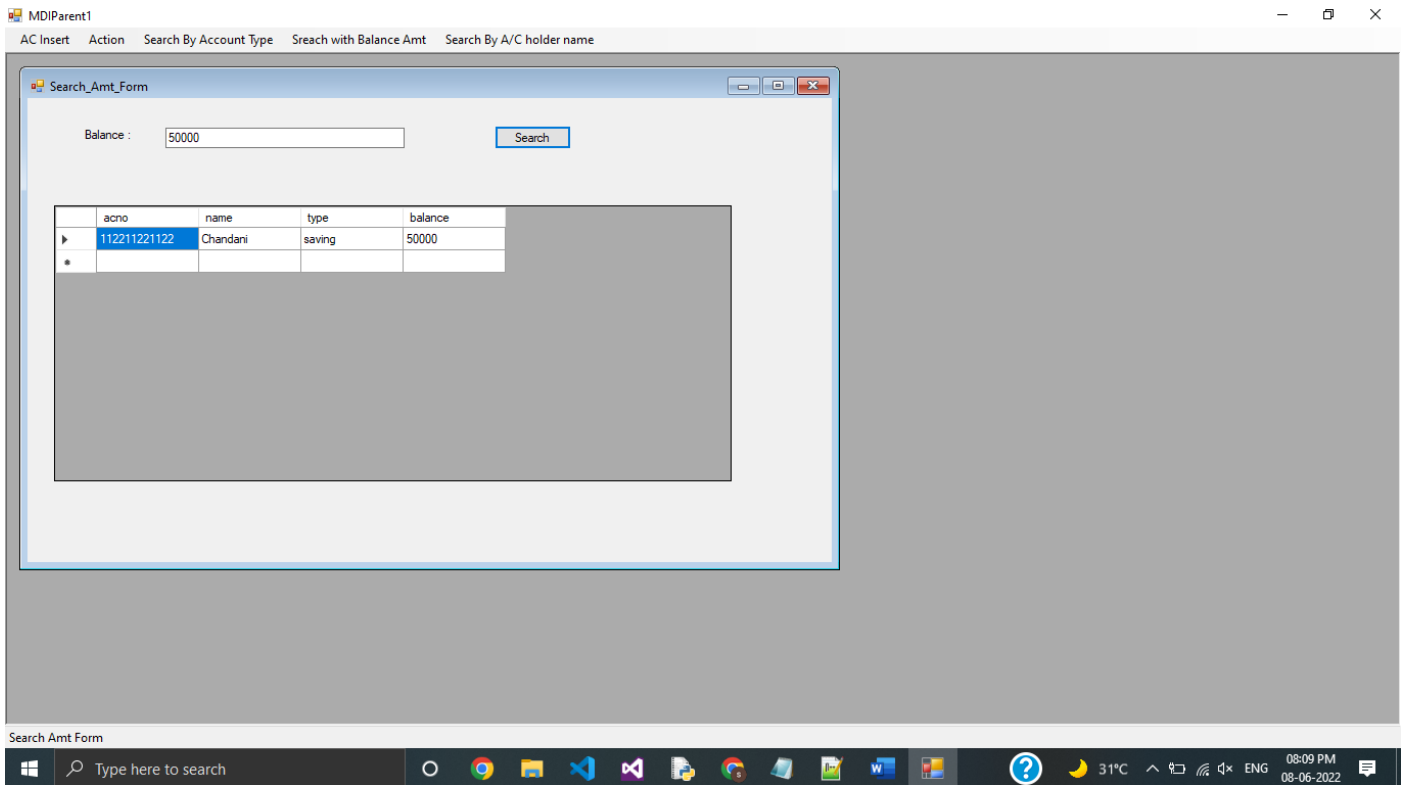
    private void btnSearch_Click(object sender, EventArgs e)
    {
        if(cmbType.SelectedIndex == 0)
        {
            MessageBox.Show("Please Select AC Type....");
            return;
        }
        else if(cmbType.SelectedIndex == 1)
        {
            da = new SqlDataAdapter("select * from account where type = 'saving'
", "Data Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            ds = new DataSet();
            cmdb = new SqlCommandBuilder(da);

            load_grid();
        }
        else if (cmbType.SelectedIndex == 2)
        {
            da = new SqlDataAdapter("select * from account where type = 'current'
", "Data Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            ds = new DataSet();
            cmdb = new SqlCommandBuilder(da);

            load_grid();
        }
    }
}
}
}

```

-----Search_Amt_Form.cs-----



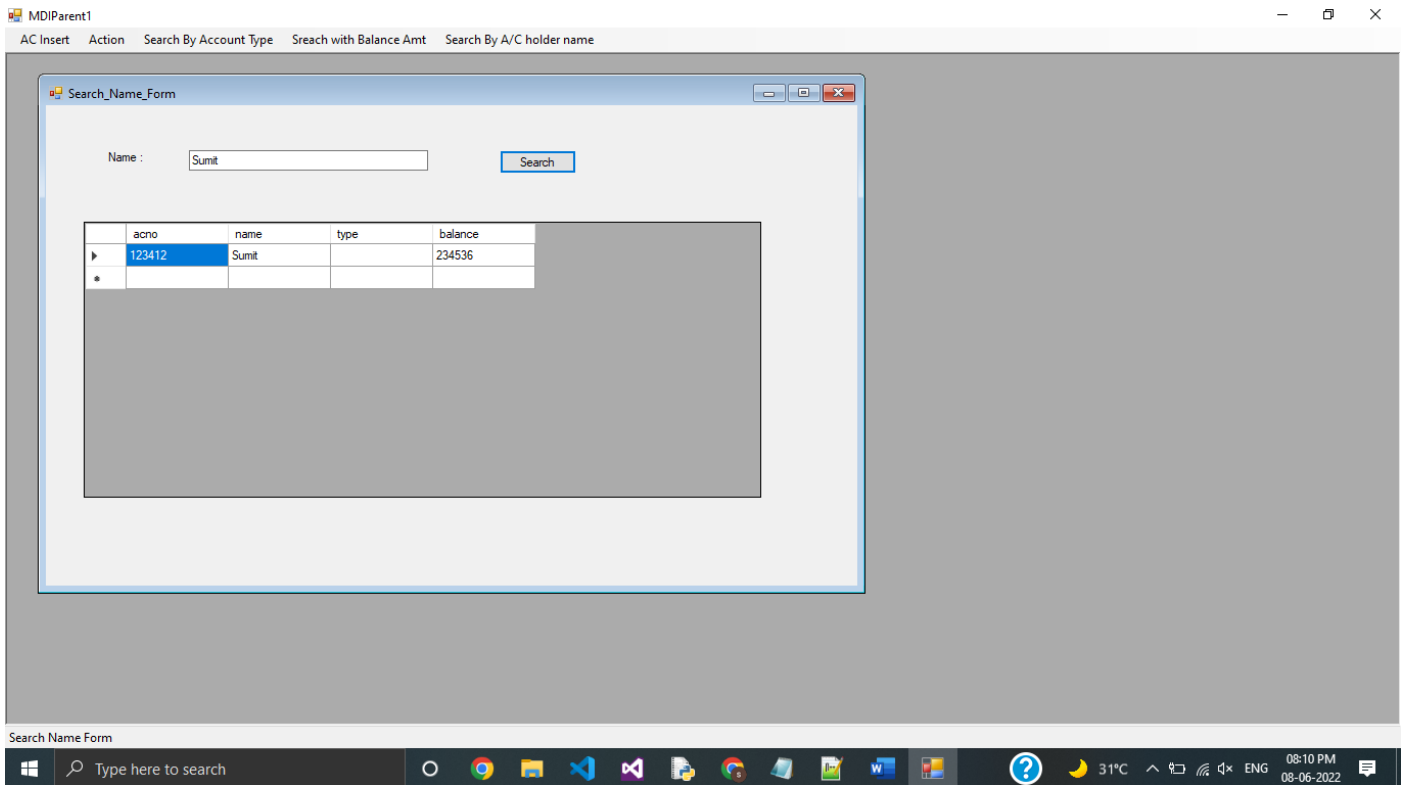
```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;

namespace Bank_Management_System
{
    public partial class Search_Amt_Form : Form
    {
        String acno, name, type, balance;
        SqlDataAdapter da;
        DataSet ds;
        SqlCommandBuilder cmdb;
        public Search_Amt_Form()
        {
            InitializeComponent();
        }
        private void load_grid()
        {
            da.Fill(ds, "account");
            dataGridView1.DataSource = ds.Tables["account"];
            dataGridView1.Refresh();
        }
        private void btnSearch_Click(object sender, EventArgs e)
        {
            balance = txtBalance.Text.ToString();
        }
    }
}
```

```
        if (balance.Length > 0)
        {
            da = new SqlDataAdapter("select * from account where balance = '" +
balance + "' ", "Data Source=.\sqlexpress;Initial Catalog=chandani;Persist Security
Info=True;User ID=sa;Password=sa123");
            ds = new DataSet();
            cmdb = new SqlCommandBuilder(da);

            load_grid();
        }
    }
}
```

-----Search_Name_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 Bank_Management_System
{
    public partial class Search_Name_Form : Form
    {
        String acno, name, type, balance;
        SqlDataAdapter da;
        DataSet ds;
        SqlCommandBuilder cmdb;
        public Search_Name_Form()
        {
            InitializeComponent();
        }
        private void load_grid()
        {
            da.Fill(ds, "account");
            dataGridView1.DataSource = ds.Tables["account"];
            dataGridView1.Refresh();
        }
        private void btnSearch_Click(object sender, EventArgs e)
        {

```



```
name = txtName.Text.ToString();

if(name.Length > 0)
{
    da = new SqlDataAdapter("select * from account where name = '"+name+"'
", "Data Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
    ds = new DataSet();
    cmdb = new SqlCommandBuilder(da);

    load_grid();
}
}
}
```

-----account-----

USE [chandani]

GO

/***** Object: Table [dbo].[account] Script Date: 08-06-2022 08:04:56 PM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[account](

[acno] [nvarchar](20) NOT NULL,

[name] [nvarchar](30) NOT NULL,

[type] [nvarchar](10) NOT NULL,

[balance] [nvarchar](20) NOT NULL,

CONSTRAINT [PK_account] PRIMARY KEY CLUSTERED

(

[acno] 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

-----ac_trans-----

USE [chandani]

GO

/***** Object: Table [dbo].[ac_trans] Script Date: 08-06-2022 08:04:20 PM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[ac_trans](

[tno] [int] IDENTITY(1,1) NOT NULL,

[tdt] [date] NOT NULL,

[acno] [nvarchar](20) NOT NULL,

[ttype] [nvarchar](10) NOT NULL,

[amt] [real] NOT NULL,

CONSTRAINT [PK_ac_trans] PRIMARY KEY CLUSTERED

(

[tno] 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].[ac_trans] WITH CHECK ADD CONSTRAINT [FK_ac_trans_account] FOREIGN KEY([acno])

REFERENCES [dbo].[account] ([acno])

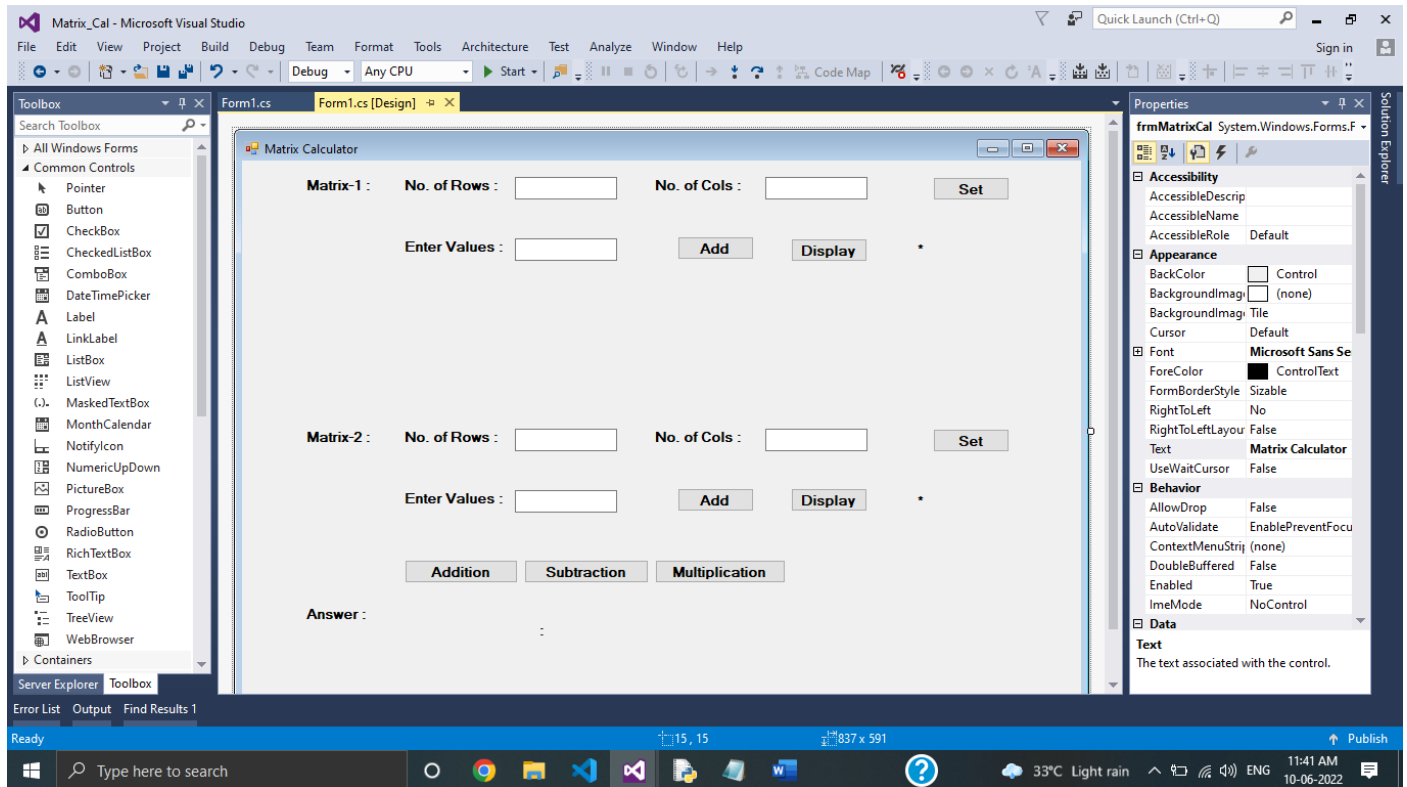
GO

ALTER TABLE [dbo].[ac_trans] CHECK CONSTRAINT [FK_ac_trans_account]

GO

Matrix Calculator

-----Form1.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 Matrix_Cal
{
    public partial class frmMatrixCal : Form
    {
        int[, ] mat1, mat2;
        int r1, r2, c1, c2, i1, i2, j1, j2;

        public frmMatrixCal()
        {
            InitializeComponent();
            i1 = i2 = 0;
            j1 = j2 = -1;
        }

        private void btnSet1_Click(object sender, EventArgs e)
        {
            if(txtCol1.Text != "" && txtRow1.Text != "")
            {
                try
                {
```

```

        r1 = Convert.ToInt32(txtRow1.Text);
        c1 = Convert.ToInt32(txtCol1.Text);
        mat1 = new int[r1, c1];
    }
    catch
    {
        MessageBox.Show("Somthing went wrong..", "Error",
        MessageBoxButtons.OK, MessageBoxIcon.Error);
    }
}

private void btnDisplay1_Click_1(object sender, EventArgs e)
{
    for (int i = 0; i < r1; i++)
    {
        for (int j = 0; j < c1; j++)
        {
            lblMat1.Text = lblMat1.Text + mat1[i, j].ToString() + "\r\t";
        }
        lblMat1.Text = lblMat1.Text + "\r\t";
    }
}

private void btnAdd1_Click(object sender, EventArgs e)
{
    j1++;
    if (j1 == c1)
    {
        j1 = 0;
        i1++;
    }
    if(i1 == r1)
    {
        MessageBox.Show("Matrix is full..", "Warning", MessageBoxButtons.OK,
        MessageBoxIcon.Warning);
    }
    else
    {
        mat1[i1, j1] = Convert.ToInt32(txtEnter1.Text);
    }
}

private void btnDisplay2_Click(object sender, EventArgs e)
{
    for (int i = 0; i < r2; i++)
    {
        for (int j = 0; j < c2; j++)
        {
            lblMat2.Text = lblMat2.Text + mat2[i, j].ToString() + "\r\t";
        }
        lblMat2.Text = lblMat2.Text + "\r\t";
    }
}

private void btnAdd2_Click(object sender, EventArgs e)
{

```

```

        j2++;
        if (j2 == c2)
        {
            j2 = 0;
            i2++;
        }
        if (i2 == r2)
        {
            MessageBox.Show("Matrix is full..", "Warning", MessageBoxButtons.OK,
MessageBoxIcon.Warning);
        }
        else
        {
            mat2[i2, j2] = Convert.ToInt32(txtEnter2.Text);
        }
    }

    private void btnSet2_Click(object sender, EventArgs e)
    {
        if (txtCol2.Text != "" && txtRow2.Text != "")
        {
            try
            {
                r2 = Convert.ToInt32(txtRow2.Text);
                c2 = Convert.ToInt32(txtCol2.Text);
                mat2 = new int[r2, c2];
            }
            catch
            {
                MessageBox.Show("Something went wrong..", "Error",
MessageBoxButtons.OK, MessageBoxIcon.Error);
            }
        }
    }

    private void btnSub_Click(object sender, EventArgs e)
    {
        lblAnsMat.Text = "";
        for (int i = 0; i < r2; i++)
        {
            for (int j = 0; j < c2; j++)
            {
                lblAnsMat.Text = lblAnsMat.Text + (mat1[i,j] - mat2[i,
j]).ToString() + "\r\t";
            }
            lblAnsMat.Text = lblAnsMat.Text + "\r\t";
        }
    }

    private void btnMul_Click(object sender, EventArgs e)
    {
        lblAnsMat.Text = "";
        for (int i = 0; i < r1; i++)
        {
            for (int j = 0; j < c2; j++)
            {
                int ans = 0;
                for(int k = 0; k < c1; k++)
                {
                    ans = ans + (mat1[i, k] * mat2[k, j]);
                }
            }
        }
    }

```

```

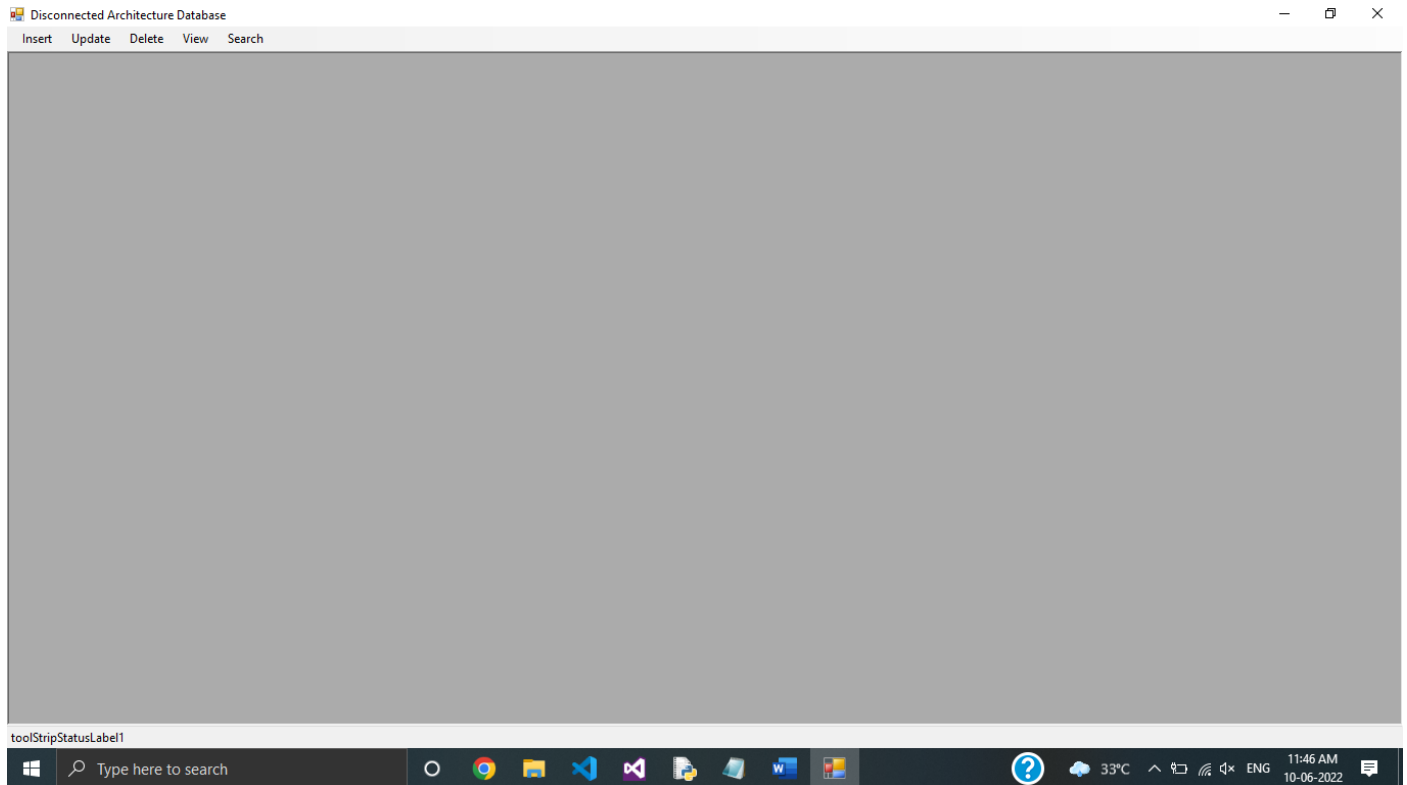
        }
        lblAnsMat.Text = lblAnsMat.Text + ans.ToString() + "\r\t";
    }
    lblAnsMat.Text = lblAnsMat.Text + "\r\t";
}

private void btnAdd_Click(object sender, EventArgs e)
{
    lblAnsMat.Text = "";
    for (int i = 0; i < r2; i++)
    {
        for (int j = 0; j < c2; j++)
        {
            lblAnsMat.Text = lblAnsMat.Text + (mat1[i, j] + mat2[i,
j]).ToString() + "\r\t";
        }
        lblAnsMat.Text = lblAnsMat.Text + "\r\t";
    }
}
}
}

```

Disconnected Architecture

-----Mdiparent.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 Disconnected
{
    public partial class MDIParent1 : Form
    {
        private int childFormNumber = 0;

        public MDIParent1()
        {
            InitializeComponent();
        }

        Form child;

        private void insertToolStripMenuItem_Click(object sender, EventArgs e)
        {
            child = new Insert_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Insert_Form";
            child.Show();
        }

        private void updateToolStripMenuItem_Click(object sender, EventArgs e)
```



```

{
    child = new Update_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "Update_Form";
    child.Show();
}

private void deleteToolStripMenuItem_Click(object sender, EventArgs e)
{
    child = new Delete_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "Delete_Form";
    child.Show();
}

private void listToolStripMenuItem_Click(object sender, EventArgs e)
{
    child = new View_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "View_Form";
    child.Show();
}

private void searchToolStripMenuItem_Click(object sender, EventArgs e)
{
    child = new Search_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "Search_Form";
    child.Show();
}
}
}

```

-----Insert_Form.cs-----

Disconnected Architecture Database - [Insert]

Insert Update Delete View Search

Roll No :

Name :

Email :

Mobile :

DOB :

rollno	name	email	mobile	dob
5	Chandani	chandani@gmail....	7894561230	27-10-2000
8	Khushboo Singh	khush@gmail.com	7788994455	11-05-2000

```
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 Disconnected
{
    public partial class Insert_Form : Form
    {
        SqlCommandBuilder cmdb;
        SqlDataAdapter da;
        DataSet ds;

        public Insert_Form()
        {
            InitializeComponent();

            da = new SqlDataAdapter("select * from stud", "Data
Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            ds = new DataSet();
            cmdb = new SqlCommandBuilder(da);

            load_grid();
        }

        private void load_grid()
        {
```

```
        da.Fill(ds, "stud");
        dataGridViewStudent.DataSource = ds.Tables["stud"];
        dataGridViewStudent.Refresh();
    }

    private void btnAdd_Click(object sender, EventArgs e)
    {
        DataRow dr = ds.Tables["stud"].NewRow();
        dr[1] = txtName.Text;
        dr[2] = txtEmail.Text;
        dr[3] = txtMobile.Text;
        dr[4] = Convert.ToDateTime(txtDOB.Text);

        ds.Tables["stud"].Rows.Add(dr);
        da.Update(ds.Tables["stud"]);
        MessageBox.Show("Inserted Successfully");
    }
}
```

-----Update_Form.cs-----

Disconnected Architecture Database - [Update_Form]

Insert Update Delete View Search

Roll No : Find

Name :

Email : Update

Mobile :

DOB :

rollno	name	email	mobile	dob
5	Chandani	chandani@gmail...	7894561230	27-10-2000
8	Khushboo Singh	khush@gmail.com	7788994455	11-05-2000
*				

Update_Form

```
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 Disconnected
{
    public partial class Update_Form : Form
    {
        SqlCommandBuilder cmdb;
        SqlDataAdapter da;
        DataSet ds;

        public Update_Form()
        {
            InitializeComponent();

            da = new SqlDataAdapter("select * from stud", "Data
Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            ds = new DataSet();
            cmdb = new SqlCommandBuilder(da);

            load_grid();
        }

        private void load_grid()
        {
```

```

        da.Fill(ds, "stud");
        dataGridViewStudent.DataSource = ds.Tables["stud"];
        dataGridViewStudent.Refresh();
    }

    private void btnFind_Click(object sender, EventArgs e)
    {
        bool flag = false;
        foreach(DataRow dr in ds.Tables["stud"].Rows)
        {
            if(Convert.ToInt32(txtRollNo.Text) == Convert.ToInt32(dr[0]))
            {
                txtName.Text = dr[1].ToString();
                txtEmail.Text = dr[2].ToString();
                txtMobile.Text = dr[3].ToString();
                txtDOB.Text = Convert.ToDateTime(dr[4]).ToShortDateString();

                flag = true;
                break;
            }
        }
        if(flag == true)
        {
            MessageBox.Show("Record Found");
        }
        else
        {
            MessageBox.Show("Record Not Found");
        }
    }

    private void btnUpdate_Click(object sender, EventArgs e)
    {
        bool flag = false;
        foreach (DataRow dr in ds.Tables["stud"].Rows)
        {
            if (Convert.ToInt32(txtRollNo.Text) == Convert.ToInt32(dr[0]))
            {
                dr[1] = txtName.Text;
                dr[2] = txtEmail.Text;
                dr[3] = txtMobile.Text;
                dr[4] = Convert.ToDateTime(txtDOB.Text);

                flag = true;
                break;
            }
        }
        if (flag == true)
        {
            da.Update(ds.Tables["stud"]);
            MessageBox.Show("Record Updated");
        }
        else
        {
            MessageBox.Show("Record Not Updated");
        }
    }
}
}
}

```


-----Delete_Form.cs-----

Disconnected Architecture Database - [Delete_Form]

Insert Update Delete View Search

Roll No :

Find

Delete

rollno	name	email	mobile	dob
5	Chandani	chandani@gmail....	7894561230	27-10-2000
8	Khushboo Singh	khush@gmail.com	7788994455	11-05-2000
*				

Delete_Form

```
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 Disconnected
{
    public partial class Delete_Form : Form
    {
        SqlCommandBuilder cmdb;
        SqlDataAdapter da;
        DataSet ds;

        public Delete_Form()
        {
            InitializeComponent();

            da = new SqlDataAdapter("select * from stud", "Data
Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            ds = new DataSet();
            cmdb = new SqlCommandBuilder(da);

            load_grid();
        }

        private void load_grid()
        {
```

```

        da.Fill(ds, "stud");
        dataGridViewStudent.DataSource = ds.Tables["stud"];
        dataGridViewStudent.Refresh();
    }

private void btnFind_Click(object sender, EventArgs e)
{
    bool flag = false;
    foreach (DataRow dr in ds.Tables["stud"].Rows)
    {
        if (Convert.ToInt32(txtRollNo.Text) == Convert.ToInt32(dr[0]))
        {
            flag = true;
            break;
        }
    }
    if (flag == true)
    {
        MessageBox.Show("Record Found");
    }
    else
    {
        MessageBox.Show("Record Not Found");
    }
}

private void btnDelete_Click(object sender, EventArgs e)
{
    /*
    bool flag = false;
    foreach (DataRow dr in ds.Tables["stud"].Rows)
    {
        if (Convert.ToInt32(txtRollNo.Text) == Convert.ToInt32(dr[0]))
        {
            ds.Tables["stud"].Rows.Remove(dr);

            flag = true;
            break;
        }
    }
    if (flag == true)
    {
        da.Update(ds.Tables["stud"]);
        MessageBox.Show("Record Deleted");
    }
    else
    {
        MessageBox.Show("Record Not Deleted");
    }
    */

    bool flag = false;
    foreach (DataRow dr in ds.Tables["stud"].Rows)
    {
        if (Convert.ToInt32(txtRollNo.Text) == Convert.ToInt32(dr[0]))

```



```

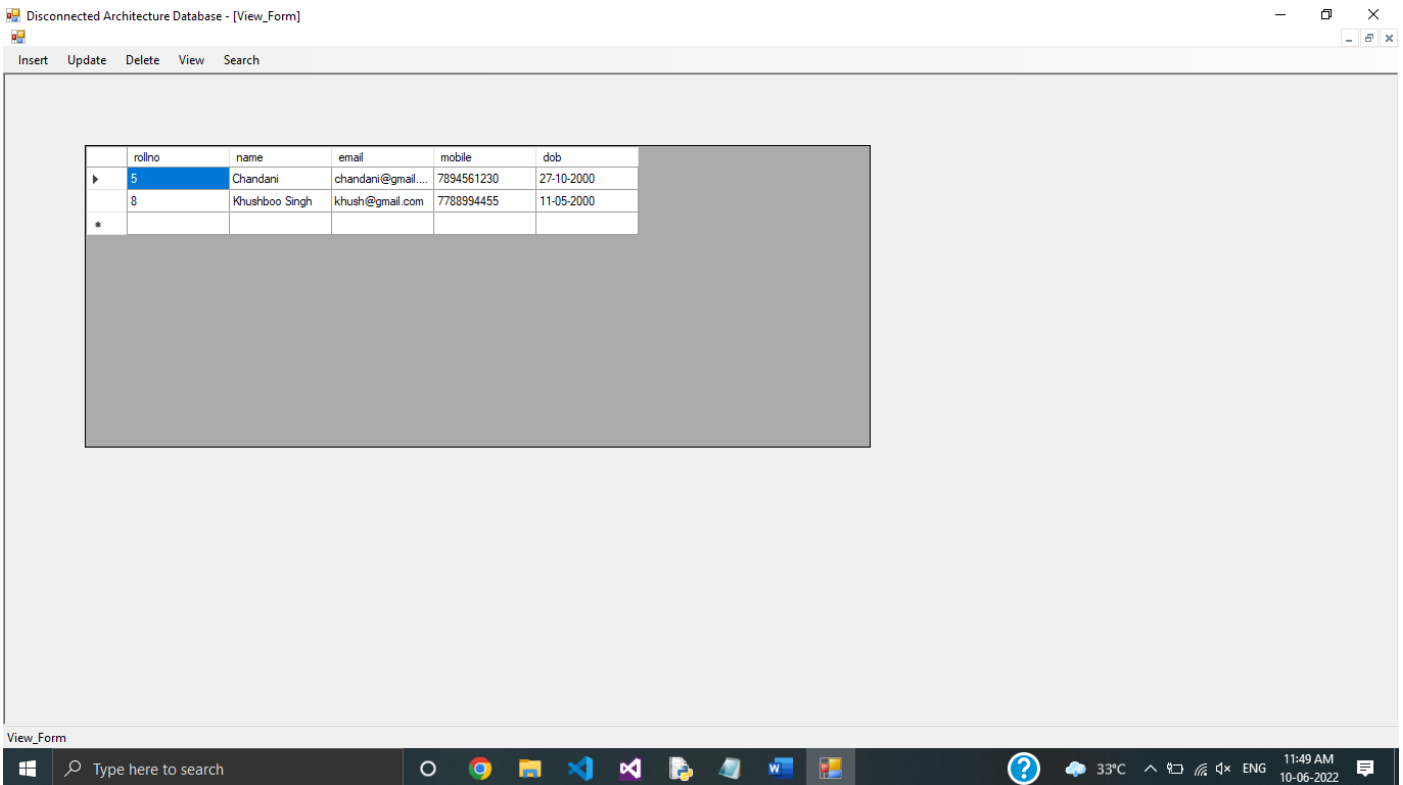
        {
            //ds.Tables["stud"].Rows.Remove(dr);
            dr.Delete();
            flag = true;
            break;
        }
    }
    if (flag == true)
    {
        /*
        da.Update(ds.Tables["stud"]);
        MessageBox.Show("Record Deleted");

        */
        int result = da.Update(ds.Tables["stud"]);

        if (result > 0)
            MessageBox.Show("Success!");
        else
            MessageBox.Show("Failed!");
    }
    else
    {
        MessageBox.Show("Record Not Deleted");
    }
}
}
}
}

```

-----View_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 Disconnected
{
    public partial class View_Form : Form
    {
        SqlCommandBuilder cmdb;
        SqlDataAdapter da;
        DataSet ds;

        public View_Form()
        {
            InitializeComponent();

            da = new SqlDataAdapter("select * from stud", "Data
Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            ds = new DataSet();
            cmdb = new SqlCommandBuilder(da);

            load_grid();
        }

        private void load_grid()
        {
```

```
        da.Fill(ds, "stud");
        dataGridViewStudent.DataSource = ds.Tables["stud"];
        dataGridViewStudent.Refresh();
    }
}
```

-----Search_Form.cs-----

Disconnected Architecture Database - [Search_Form]

Insert Update Delete View Search

DOB Year :

rollno	name	email	mobile	dob
5	Chandani	chandani@gmail...	7894561230	27-10-2000
8	Khushboo Singh	khush@gmail.com	7788994455	11-05-2000
*				

Search_Form

```
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 Disconnected
{
    public partial class Search_Form : Form
    {
        SqlCommandBuilder cmdb;
        SqlDataAdapter da;
        DataSet ds;

        public Search_Form()
        {
            InitializeComponent();
        }

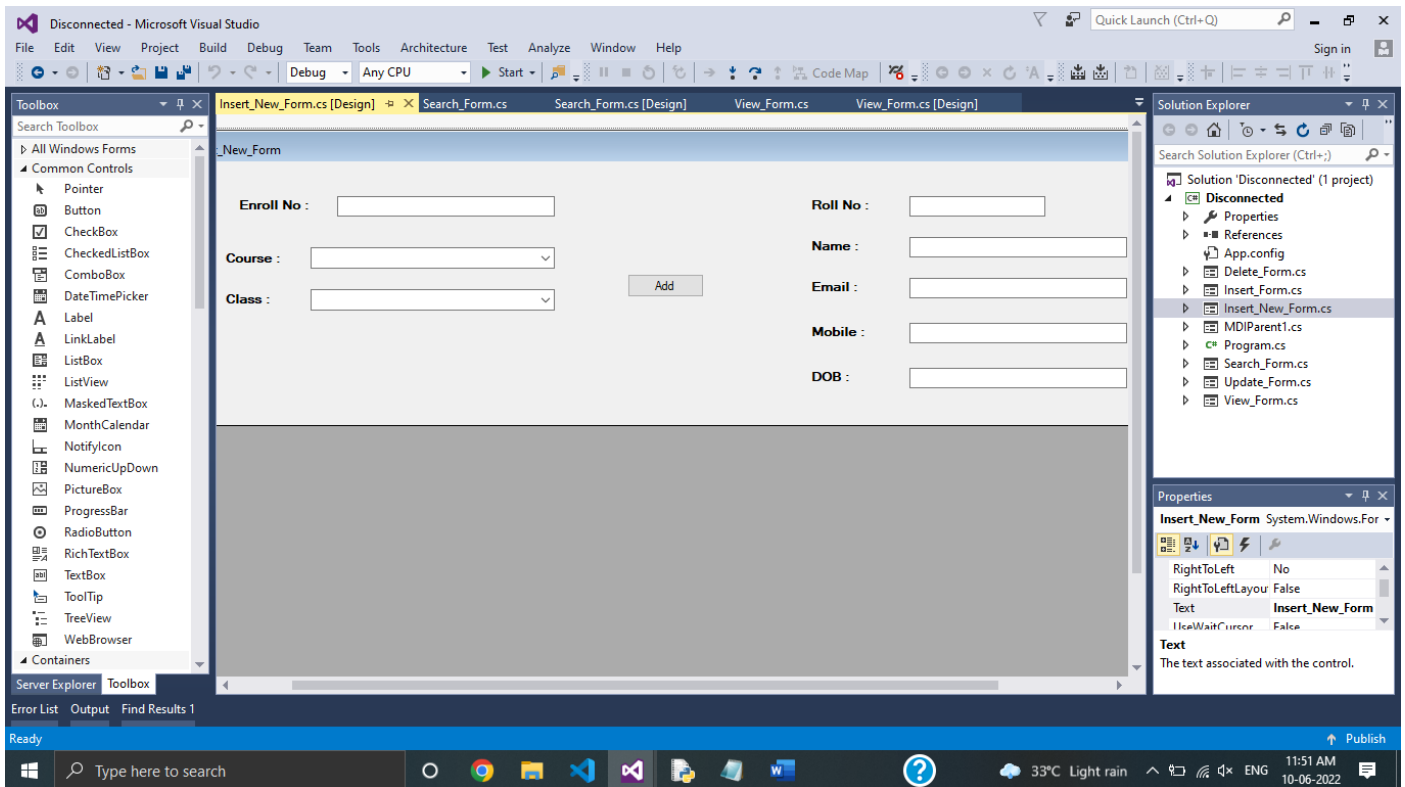
        private void load_grid()
        {
            da.Fill(ds, "stud");
            dataGridViewStudent.DataSource = ds.Tables["stud"];
            dataGridViewStudent.Refresh();
        }

        private void btnFind_Click(object sender, EventArgs e)
        {
            int dobYear = Convert.ToInt32(txtDOBYear.Text);
```

```
        da = new SqlDataAdapter("select * from stud where DOB BETWEEN '" +
dobYear.ToString() + "-01-01' AND '" + dobYear.ToString() + "-12-31'", "Data
Source=.\sql express;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
        cmdb = new SqlCommandBuilder(da);
        ds = new DataSet();
        load_grid();

        if(ds.Tables["stud"].Rows.Count > 0){
            MessageBox.Show("Record Found");
        }
        else{
            MessageBox.Show("Record Not Found");
        }
    }
}
```

-----Insert_NEW_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 Disconnected
{
    public partial class Insert_New_Form : Form
    {
        SqlCommandBuilder cmdb;
        SqlDataAdapter da, daCourse, daClass;
        DataSet ds, dsCourse, dsClass;

        public Insert_New_Form()
        {
            InitializeComponent();

            da = new SqlDataAdapter("select * from student", "Data
Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User
ID=sa;Password=sa123");
            ds = new DataSet();
            cmdb = new SqlCommandBuilder(da);
            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();
        course_load_grid();

        int courseid = Convert.ToInt32(comboBoxCourse.SelectedIndex + 1);
        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();
        class_load_grid();
    }

    private void comboBoxCourse_SelectedIndexChanged(object sender, EventArgs e)
    {
        int courseid = Convert.ToInt32(comboBoxCourse.SelectedIndex + 1);
        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();
        class_load_grid();
    }

    private void load_grid()
    {
        da.Fill(ds, "stud");
        dataGridViewStudent.DataSource = ds.Tables["stud"];
        dataGridViewStudent.Refresh();
    }

    private void course_load_grid()
    {
        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 class_load_grid()
    {
        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 btnAdd_Click(object sender, EventArgs e)
    {
        DataRow dr = ds.Tables["stud"].NewRow();
        dr[1] = txtName.Text;
        dr[2] = txtEmail.Text;
        dr[3] = txtMobile.Text;
        dr[4] = Convert.ToDateTime(txtDOB.Text);
    }

```

```
        ds.Tables["stud"].Rows.Add(dr);  
        da.Update(ds.Tables["stud"]);  
        MessageBox.Show("Inserted Successfully");  
    }  
}  
}
```


-----Tables-----

Data Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User ID=sa;Password=sa123

USE [chandani]

GO

/***** Object: Table [dbo].[stud] Script Date: 24-05-2022 15:00:49 *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[stud](

[rollno] [int] IDENTITY(1,1) NOT NULL,

[name] [nvarchar](30) NOT NULL,

[email] [nvarchar](30) NOT NULL,

[mobile] [nvarchar](10) NOT NULL,

[dob] [date] NOT NULL,

CONSTRAINT [PK_stud] PRIMARY KEY CLUSTERED

(

[rollno] ASC

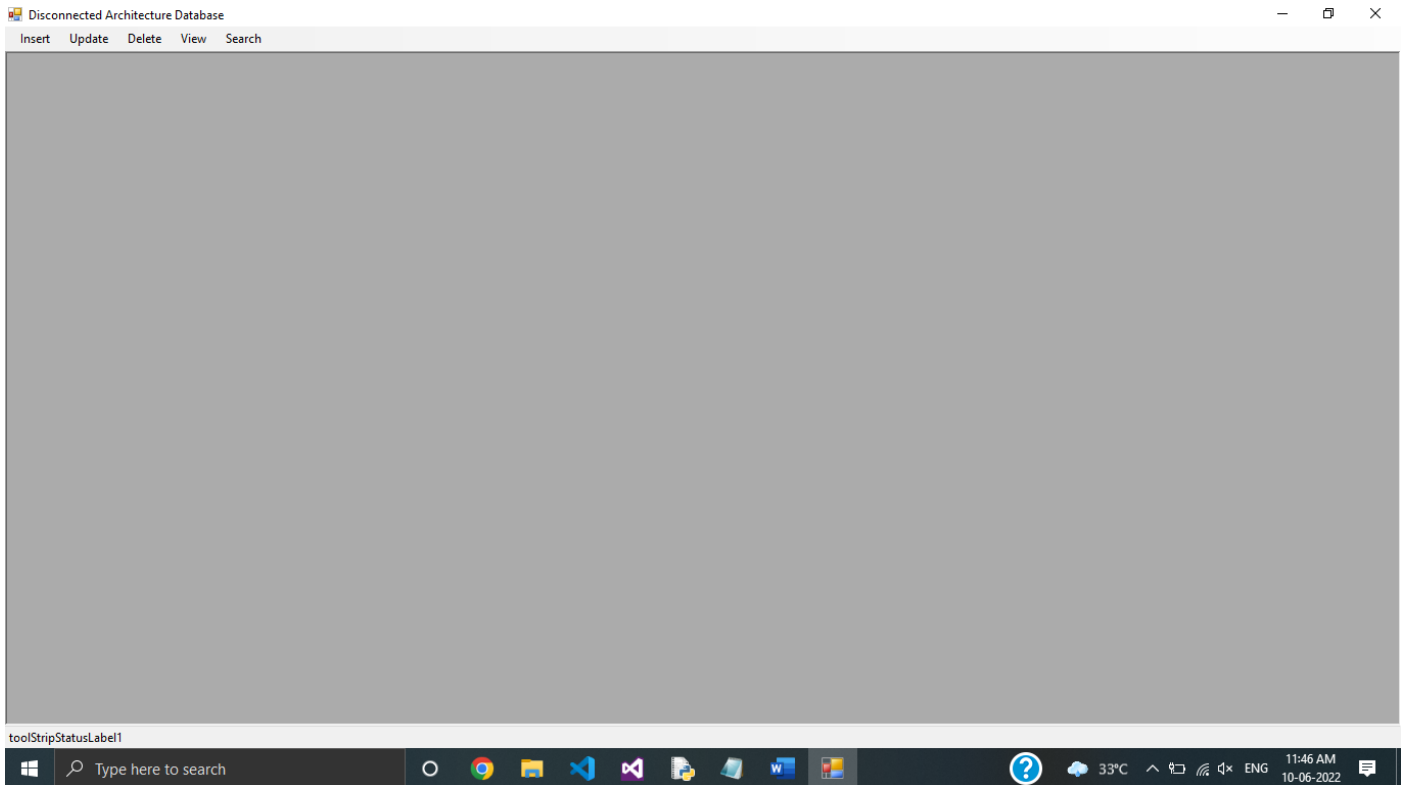
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

Disconnected Architecture

-----Mdiparent.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 Disconnected
{
    public partial class MDIParent1 : Form
    {
        private int childFormNumber = 0;

        public MDIParent1()
        {
            InitializeComponent();
        }

        Form child;

        private void insertToolStripMenuItem_Click(object sender, EventArgs e)
        {
            child = new Insert_Form();
            child.MdiParent = this;
            toolStripStatusLabel1.Text = "Insert_Form";
            child.Show();
        }

        private void updateToolStripMenuItem_Click(object sender, EventArgs e)
```

```

{
    child = new Update_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "Update_Form";
    child.Show();
}

private void deleteToolStripMenuItem_Click(object sender, EventArgs e)
{
    child = new Delete_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "Delete_Form";
    child.Show();
}

private void listToolStripMenuItem_Click(object sender, EventArgs e)
{
    child = new View_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "View_Form";
    child.Show();
}

private void searchToolStripMenuItem_Click(object sender, EventArgs e)
{
    child = new Search_Form();
    child.MdiParent = this;
    toolStripStatusLabel1.Text = "Search_Form";
    child.Show();
}
}
}

```

-----Insert_Form.cs-----

Disconnected Architecture Database - [Insert]

Insert Update Delete View Search

Roll No :

Name :

Email : Add

Mobile :

DOB :

rollno	name	email	mobile	dob
5	Chandani	chandani@gmail....	7894561230	27-10-2000
8	Khushboo Singh	khush@gmail.com	7788994455	11-05-2000

```
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 Connected
{
    public partial class Insert_Form : Form
    {
        SqlConnection cn;
        SqlCommand cmd;
        SqlDataReader dr;
        string str;

        public Insert_Form()
        {
            InitializeComponent();

            cn = new SqlConnection("Data Source=.\sqlexpress;Initial
Catalog=chandani;Persist Security Info=True;User ID=sa;Password=sa123");
            cmd = new SqlCommand();
            cmd.Connection = cn;

            load_grid();
        }

        private void load_grid()
```

```

{
    str = "select * from stud";
    cmd.CommandText = str;

    cn.Open();
    dr = cmd.ExecuteReader();

    DataTable dt = new DataTable();
    dt.Load(dr);

    dataGridViewStudent.DataSource = dt;
    dataGridViewStudent.Refresh();

    dr.Close();
    cmd.Dispose();

    cn.Close();
}

private void btnAdd_Click(object sender, EventArgs e)
{
    SqlParameter dob = new SqlParameter();
    dob.ParameterName = "@dob";
    dob.Value = Convert.ToDateTime(txtDOB.Text);
    dob.SqlDbType = SqlDbType.Date;
    cmd.Parameters.Add(dob);

    // MessageBox.Show("insert into stud(name,email,mobile,dob) values(" +
    txtName.Text + "," + txtEmail.Text + "," + txtMobile.Text + "," +
    Convert.ToDateTime(txtDOB.Text) + ")");
    str = "insert into stud(name,email,mobile,dob) values('" +
    txtName.Text + "','" + txtEmail.Text + "','" + txtMobile.Text + "','" +
    txtDOB.Text + "')";

    cn.Open();
    cmd.CommandText = str;
    // cmd.CommandType = CommandType.Text;
    try
    {
        cmd.ExecuteNonQuery();
        MessageBox.Show("Inserted Successfully");

        txtName.Text = "";
        txtEmail.Text = "";
        txtMobile.Text = "";
        txtDOB.Text = "";
    }
    catch (Exception exe)
    {
        MessageBox.Show(exe.Message);
    }
    finally
    {
        cmd.Parameters.Clear();
        cn.Close();
    }
}

```

}
}
}

-----Update_Form.cs-----

Disconnected Architecture Database - [Update_Form]

Insert Update Delete View Search

Roll No : Find

Name :

Email : Update

Mobile :

DOB :

rollno	name	email	mobile	dob
5	Chandani	chandani@gmail...	7894561230	27-10-2000
8	Khushboo Singh	khush@gmail.com	7788994455	11-05-2000
*				

Update_Form

```
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 Connected
{
    public partial class Update_Form : Form
    {
        SqlConnection cn;
        SqlCommand cmd;
        SqlDataReader dr;
        string str;

        public Update_Form()
        {
            InitializeComponent();

            cn = new SqlConnection("Data Source=.\sqlexpress;Initial
Catalog=chandani;Persist Security Info=True;User ID=sa;Password=sa123");
            cmd = new SqlCommand();
            cmd.Connection = cn;

            load_grid();
        }

        private void load_grid()
        {
```

```

        str = "select * from stud";
        cmd.CommandText = str;

        cn.Open();
        dr = cmd.ExecuteReader();

        DataTable dt = new DataTable();
        dt.Load(dr);

        dataGridViewStudent.DataSource = dt;
        dataGridViewStudent.Refresh();

        dr.Close();
        cmd.Dispose();

        cn.Close();
    }

    private void btnFind_Click(object sender, EventArgs e)
    {
        str = "select * from stud where rollno = "
        "+Convert.ToInt32(txtRollNo.Text);

        cmd.CommandText = str;

        try
        {
            cn.Open();
            dr = cmd.ExecuteReader();
            if (dr.HasRows)
            {
                dr.Read();
                txtName.Text = dr[1].ToString();
                txtEmail.Text = dr[2].ToString();
                txtMobile.Text = dr[3].ToString();
                txtDOB.Text = Convert.ToDateTime(dr[4]).ToShortDateString();
            }
            else
            {
                MessageBox.Show("No Student Found");
            }
            dr.Close();
        }
        catch (Exception exc)
        {
            MessageBox.Show(exc.Message);
        }
        finally
        {
            cn.Close();
        }
    }

    private void btnUpdate_Click(object sender, EventArgs e)
    {
        SqlParameter dob = new SqlParameter();
        dob.ParameterName = "@dob";
        dob.Value = Convert.ToDateTime(txtDOB.Text);
        dob.SqlDbType = SqlDbType.Date;
    }

```



```

cmd.Parameters.Add(dob);

    MessageBox.Show("update stud set name = '" + txtName.Text + "',email = '"
+ txtEmail.Text + "',mobile = '" + txtMobile.Text + "',dob = '" +
Convert.ToDateTime(txtDOB.Text) + "' where rollno = " +
Convert.ToInt32(txtRollNo.Text));
    str = "update stud set name = '" + txtName.Text + "',email = '" +
txtEmail.Text + "',mobile = '" + txtMobile.Text + "',dob = @dob where rollno = " +
Convert.ToInt32(txtRollNo.Text);

cn.Open();
cmd.CommandText = str;
// cmd.CommandType = CommandType.Text;
try
{
    cmd.ExecuteNonQuery();
    MessageBox.Show("Updated Successfully");

    txtName.Text = "";
    txtEmail.Text = "";
    txtMobile.Text = "";
    txtDOB.Text = "";
}
catch (Exception exe)
{
    MessageBox.Show(exe.Message);
}
finally
{
    cmd.Parameters.Clear();
    cn.Close();
}
}
}
}
}

```

-----Delete_Form.cs-----

Disconnected Architecture Database - [Delete_Form]

Insert Update Delete View Search

Roll No :

Find

Delete

rollno	name	email	mobile	dob
5	Chandani	chandani@gmail....	7894561230	27-10-2000
8	Khushboo Singh	khush@gmail.com	7788994455	11-05-2000
*				

Delete_Form

```
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 Connected
{
    public partial class Delete_Form : Form
    {
        SqlConnection cn;
        SqlCommand cmd;
        SqlDataReader dr;
        string str;

        public Delete_Form()
        {
            InitializeComponent();

            cn = new SqlConnection("Data Source=.\sqlexpress;Initial
Catalog=chandani;Persist Security Info=True;User ID=sa;Password=sa123");
            cmd = new SqlCommand();
            cmd.Connection = cn;

            load_grid();
        }

        private void load_grid()
        {
```

```

        str = "select * from stud";
        cmd.CommandText = str;

        cn.Open();
        dr = cmd.ExecuteReader();

        DataTable dt = new DataTable();
        dt.Load(dr);

        dataGridViewStudent.DataSource = dt;
        dataGridViewStudent.Refresh();

        dr.Close();
        cmd.Dispose();

        cn.Close();
    }

    private void btnFind_Click(object sender, EventArgs e)
    {
        str = "select * from stud where rollno = " +
Convert.ToInt32(txtRollNo.Text);

        cmd.CommandText = str;

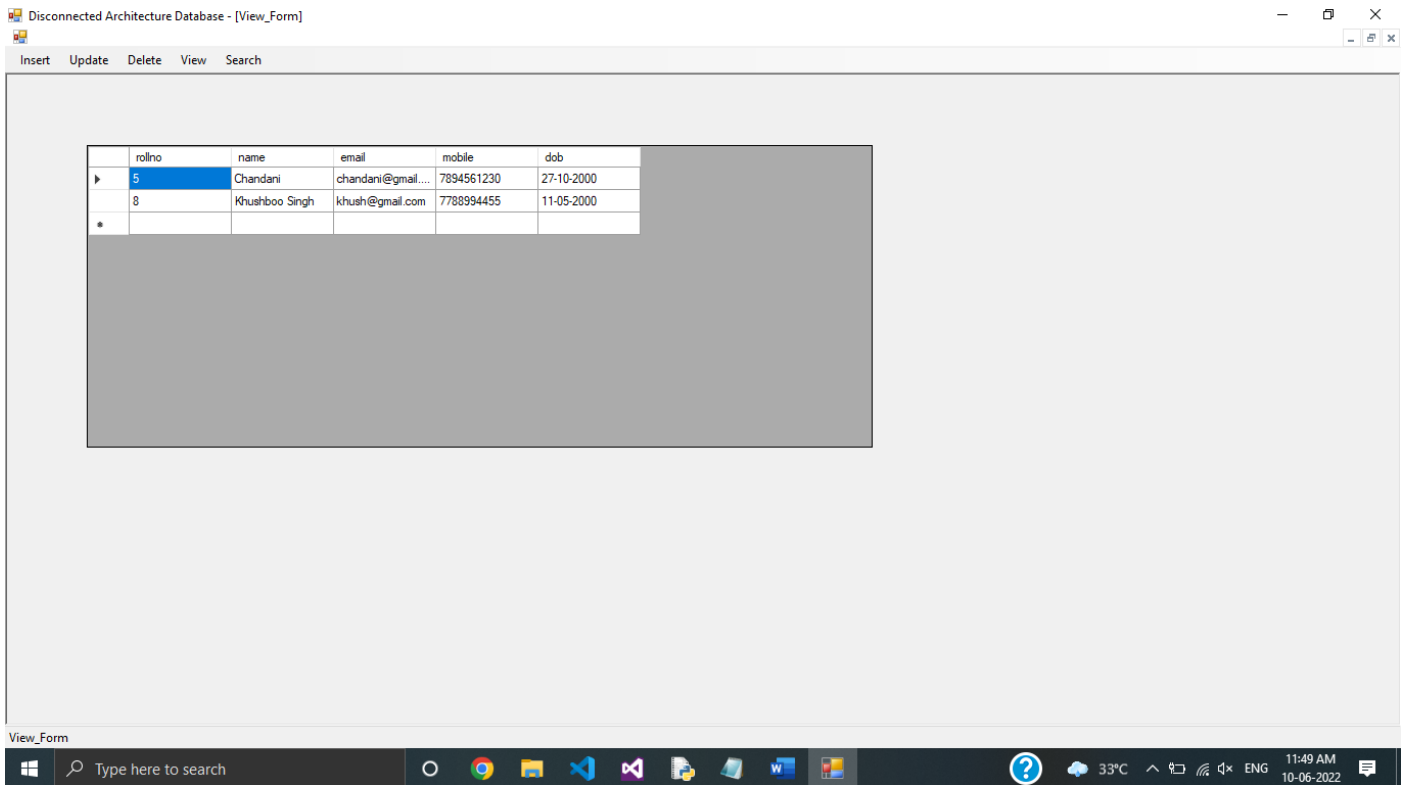
        try
        {
            cn.Open();
            dr = cmd.ExecuteReader();
            if (dr.HasRows)
            {
                dr.Read();
                MessageBox.Show("Student Found");
            }
            else
            {
                MessageBox.Show("No Student Found");
            }
            dr.Close();
        }
        catch (Exception exc)
        {
            MessageBox.Show(exc.Message);
        }
        finally
        {
            cn.Close();
        }
    }

    private void btnDelete_Click(object sender, EventArgs e)
    {
        MessageBox.Show("delete from stud where rollno = " +
Convert.ToInt32(txtRollNo.Text));
        str = "delete from stud where rollno = " +
Convert.ToInt32(txtRollNo.Text);
    }

```

```
cn.Open();
cmd.CommandText = str;
// cmd.CommandType = CommandType.Text;
try
{
    cmd.ExecuteNonQuery();
    MessageBox.Show("Deleted Successfully");
}
catch (Exception exe)
{
    MessageBox.Show(exe.Message);
}
finally
{
    cmd.Parameters.Clear();
    cn.Close();
}
}
}
```

-----View_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 Connected
{
    public partial class View_Form : Form
    {
        SqlConnection cn;
        SqlCommand cmd;
        SqlDataReader dr;
        string str;

        public View_Form()
        {
            InitializeComponent();

            cn = new SqlConnection("Data Source=.\sqlexpress;Initial
Catalog=chandani;Persist Security Info=True;User ID=sa;Password=sa123");
            cmd = new SqlCommand();
            cmd.Connection = cn;

            load_grid();
        }

        private void load_grid()
        {
```

```
str = "select * from stud";
cmd.CommandText = str;

cn.Open();
dr = cmd.ExecuteReader();

DataTable dt = new DataTable();
dt.Load(dr);

dataGridViewStudent.DataSource = dt;
dataGridViewStudent.Refresh();

dr.Close();
cmd.Dispose();

cn.Close();
    }
}
}
```

-----Search_Form.cs-----

Disconnected Architecture Database - [Search_Form]

Insert Update Delete View Search

DOB Year :

	rollno	name	email	mobile	dob
▶	5	Chandani	chandani@gmail...	7894561230	27-10-2000
	8	Khushboo Singh	khush@gmail.com	7788994455	11-05-2000
*					

Search_Form

```
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 Connected
{
    public partial class Search_Form : Form
    {
        SqlConnection cn;
        SqlCommand cmd;
        SqlDataReader dr;
        string str;

        public Search_Form()
        {
            InitializeComponent();

            cn = new SqlConnection("Data Source=.\sqlexpress;Initial
Catalog=chandani;Persist Security Info=True;User ID=sa;Password=sa123");
            cmd = new SqlCommand();
            cmd.Connection = cn;

            load_grid();
        }

        private void load_grid()
```

```

{
    str = "select * from stud";
    cmd.CommandText = str;

    cn.Open();
    dr = cmd.ExecuteReader();

    DataTable dt = new DataTable();
    dt.Load(dr);

    dataGridViewStudent.DataSource = dt;
    dataGridViewStudent.Refresh();

    dr.Close();
    cmd.Dispose();

    cn.Close();
}

private void btnFind_Click(object sender, EventArgs e)
{
    str = "select * from stud where dob Between '" +
Convert.ToInt32(txtDOBYear.Text)+ "-01-01' AND '" + Convert.ToInt32(txtDOBYear.Text) +
"-12-31'";

    cmd.CommandText = str;

    try
    {
        cn.Open();
        dr = cmd.ExecuteReader();
        if (dr.HasRows)
        {
            DataTable dt = new DataTable();
            dt.Load(dr);

            dataGridViewStudent.DataSource = dt;
            dataGridViewStudent.Refresh();

        }
        else
        {
            MessageBox.Show("No Student Found");
        }
        dr.Close();
        cmd.Dispose();
    }
    catch (Exception exc)
    {
        MessageBox.Show(exc.Message);
    }
    finally
    {
        cn.Close();
    }
}
}
}

```


-----Tables-----

Data Source=.\sqlexpress;Initial Catalog=chandani;Persist Security Info=True;User ID=sa;Password=sa123

USE [chandani]

GO

/***** Object: Table [dbo].[stud] Script Date: 24-05-2022 15:00:49 *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[stud](

[rollno] [int] IDENTITY(1,1) NOT NULL,

[name] [nvarchar](30) NOT NULL,

[email] [nvarchar](30) NOT NULL,

[mobile] [nvarchar](10) NOT NULL,

[dob] [date] NOT NULL,

CONSTRAINT [PK_stud] PRIMARY KEY CLUSTERED

(

[rollno] 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