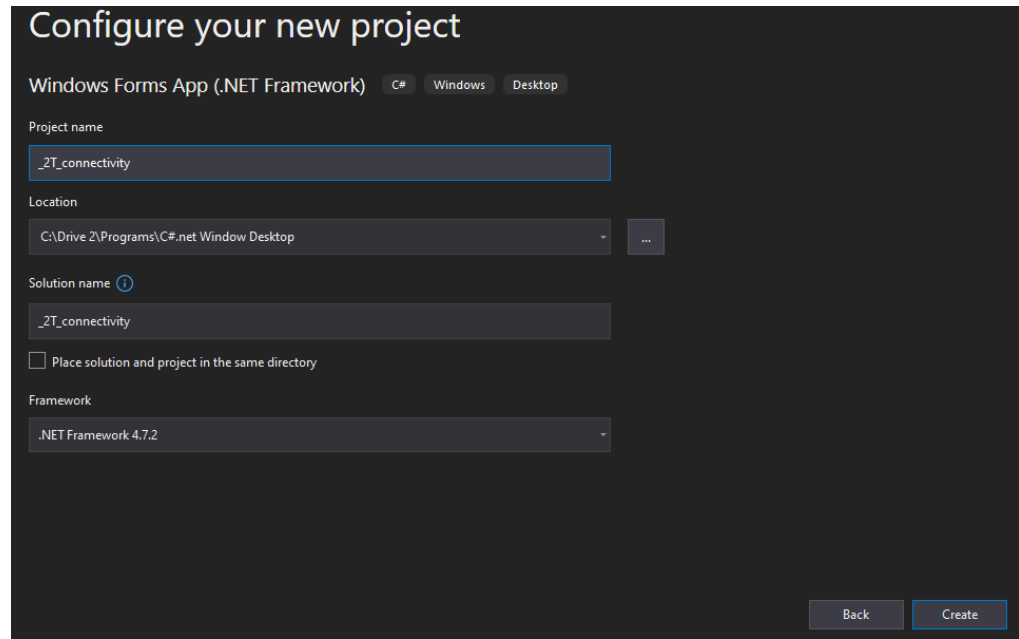


This is 2T Connectivity Program Steps(Insert, Update, delete, select)

1. STEP

SCREEN SHOT

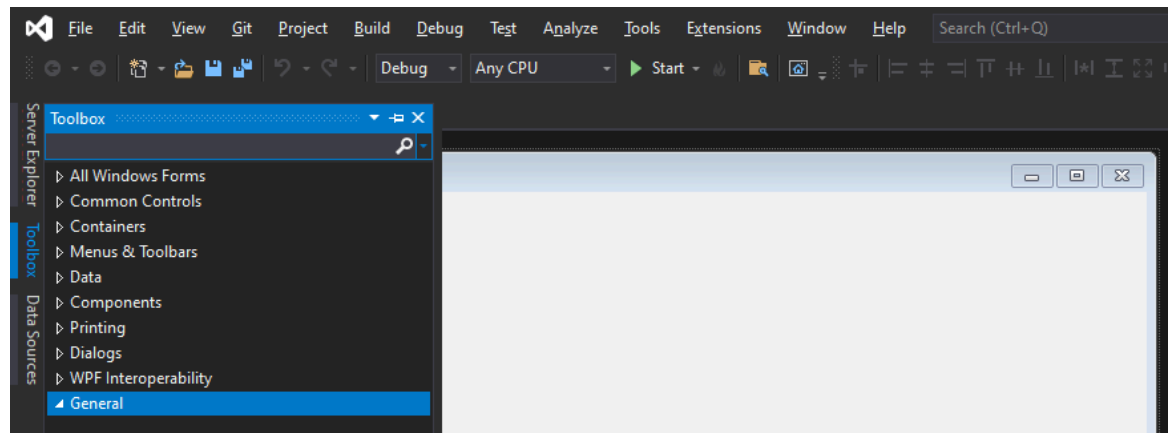


DESCRIPTION

Open the “Visual studio 2019” and create one project as criteria “C# Window Desktop (Form app)”, In My case Project name is “_2T_connectivity”

2. STEP

SCREEN SHOT



DESCRIPTION	Go to the Toolbox that is placed on the left side of the window and click on it.
--------------------	---

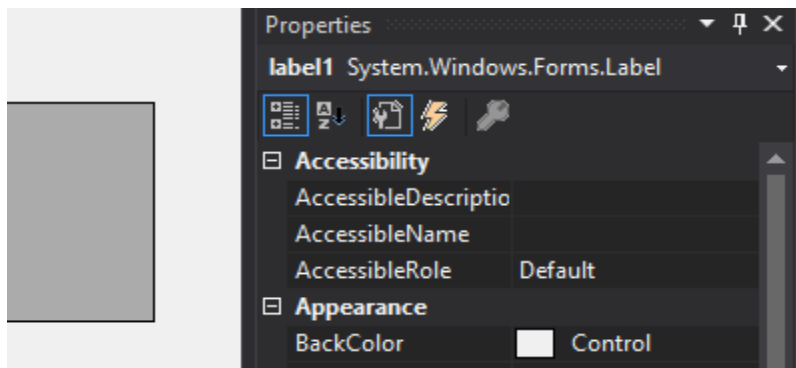
3. STEP

SCREEN SHOT	<p>The screenshot shows a Windows Forms application window. On the left side, there is a vertical stack of four labels: 'label1', 'label2', 'label3', and 'label4'. To the right of 'label1' is a white rectangular textbox. To the right of 'label2' are two radio buttons, 'radioButton1' and 'radioButton2'. To the right of 'label3' is another white rectangular textbox. Below 'label3' and 'label4' is a large rectangular area with a dashed border, representing a DataGridview. Below this area is a button labeled 'button1'. To the right of the DataGridview area is a button labeled 'button2'. At the bottom of the form is a large gray rectangular area representing a PictureBox.</p>
--------------------	---

DESCRIPTION	Drag and drop necessary items from the toolbox which are needed in your form. In My Case : four labels, two textboxes, two radio buttons, one DataGridView, one picturebox, and two buttons.
--------------------	---

4. STEP

SCREEN SHOT



DESCRIPTION

Now we **change** some **properties** of items. Press **f4** or go to item and click on it. On the **right side** properties are **displayed**.

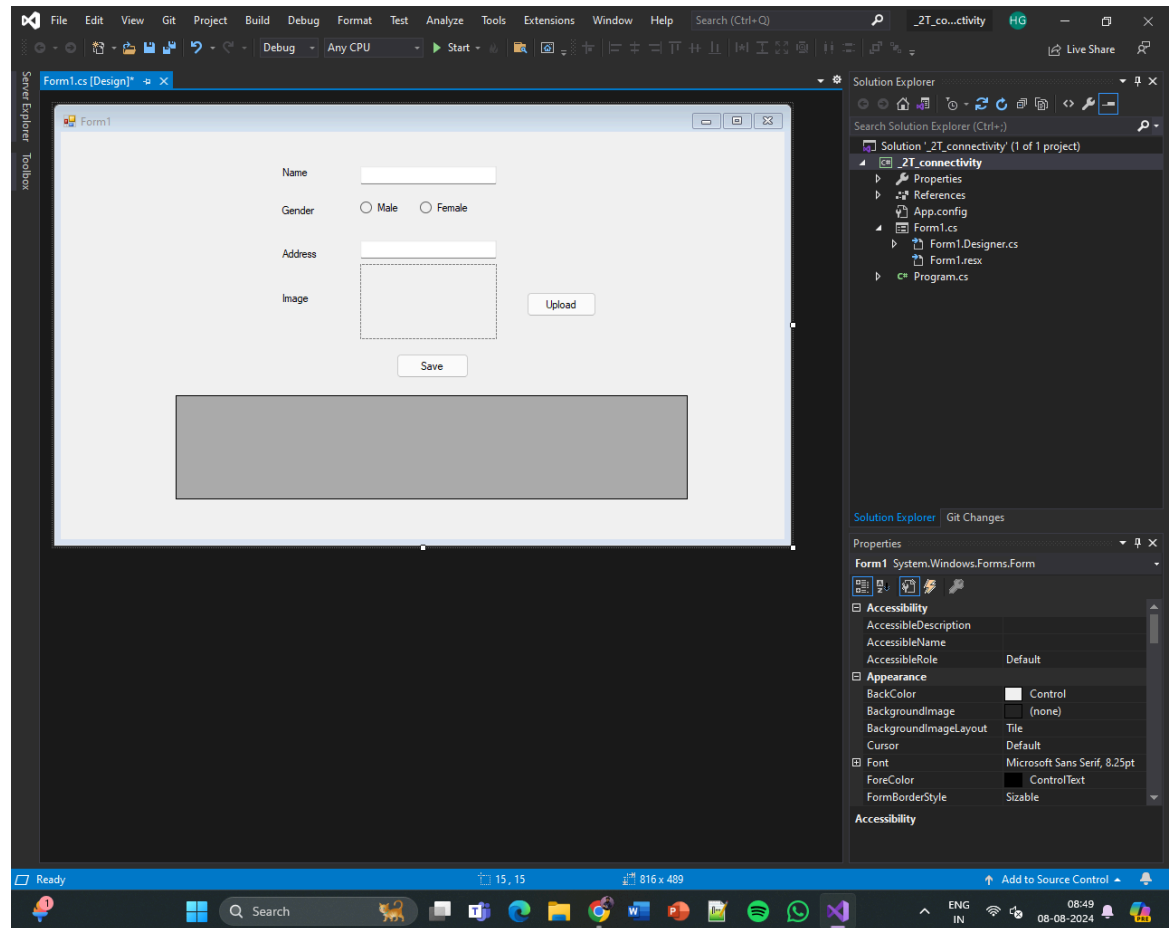
In My Case Properties of Items is set. It is in the table below.

Item Name	Text Property	Name Property
lable1	Name	
lable2	Gender	
lable3	Address	
lable4	Image	
textbox1		txtName
radioButton1	Male	rbMale
radioButton2	Female	rbFemale
textbox2		txtAddress
pictureBox1		pblImage
button2	Upload	bUpload
button1	Save	bSave
dataGridView1		

(Note: Blank space means no changes.)

5. STEP

SCREEN SHOT

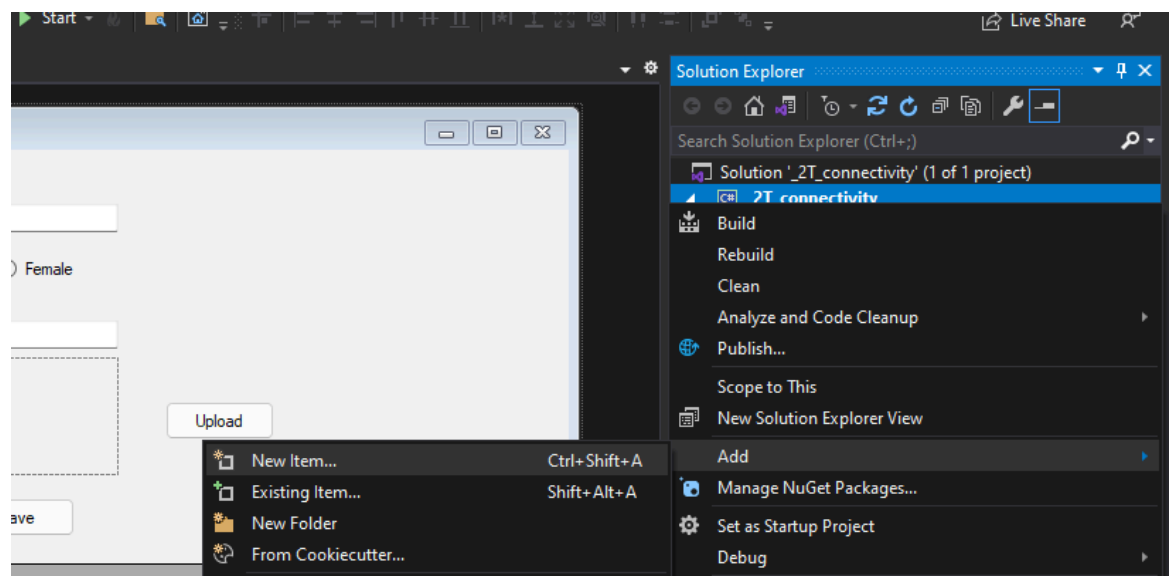


DESCRIPTION

If your toolbox or other menus are gone then click on the **Window** option that is on the top side and click on **Reset Window Layout** option.

6. STEP

SCREEN SHOT

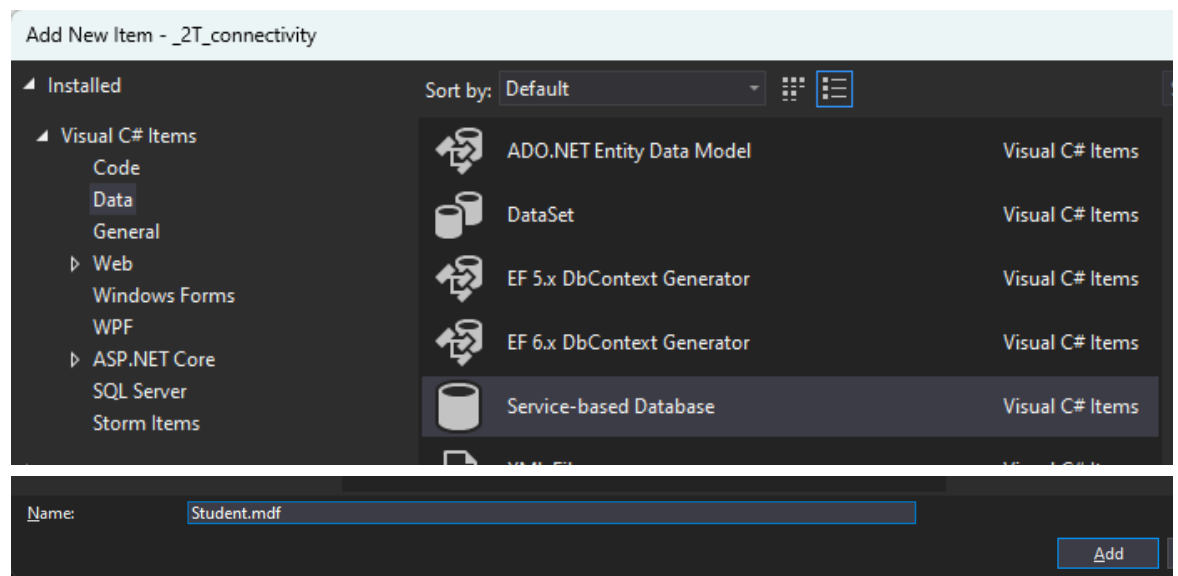


DESCRIPTION

Press **ctrl+shift+A** or Go to the **Solution Explorer**, go to **Add** option and click on **New Item...**

7. STEP

SCREEN SHOT

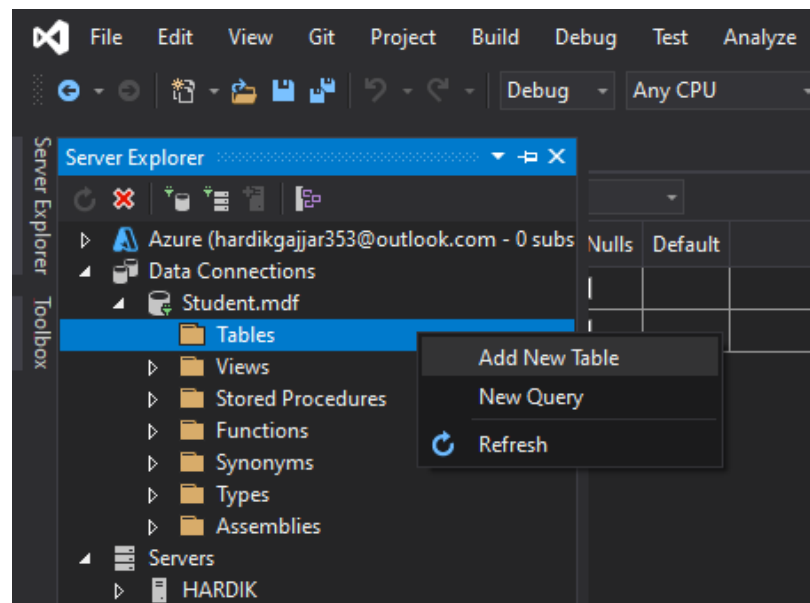


DESCRIPTION

Go to **Data** and Find the **Service-based Database**. In my case I Changed the **Name** from **Database1.mdf** to **Student.mdf**, click on **Add** button.

8. STEP

SCREEN SHOT

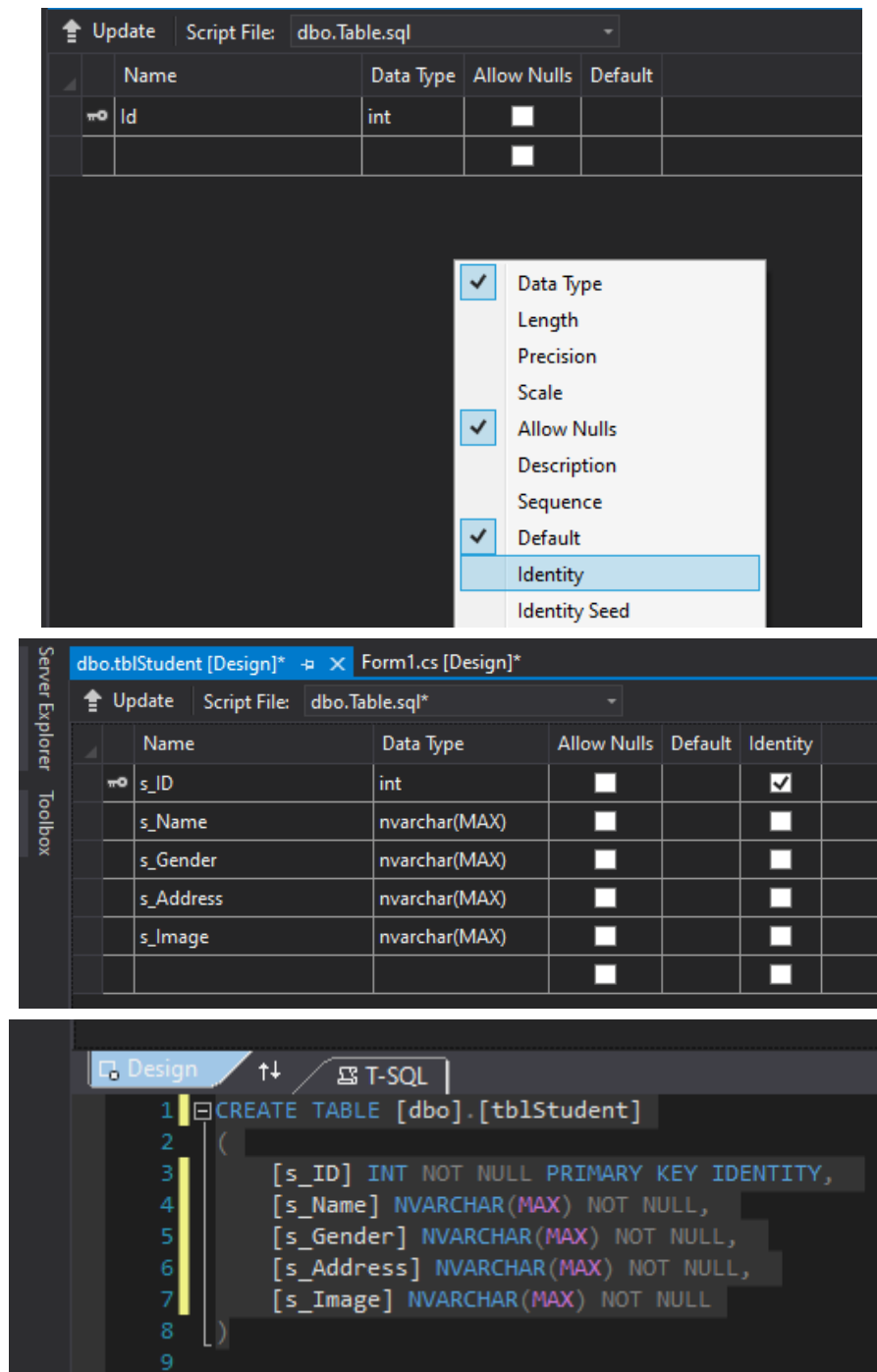


DESCRIPTION

Go to the **Server Explorer** and check if your Database file is there or not, If it is then check go to **Tables**, **Right click** on it and click on **Add New Table** option.


9. STEP

SCREEN SHOT



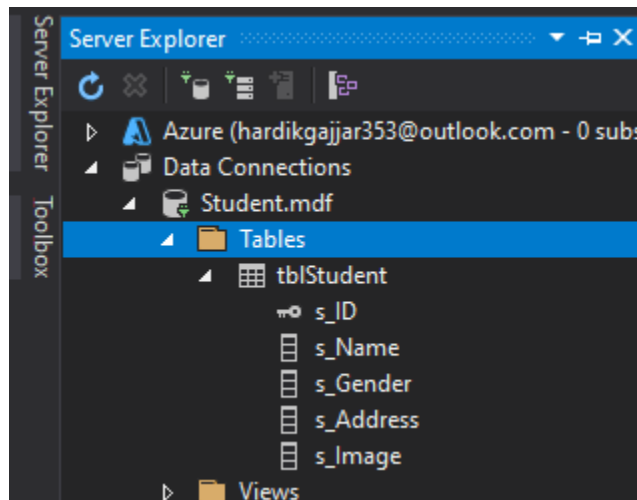
DESCRIPTION

Add the columns with appropriate data types. Enable the **Identity** option for **s_ID** field by **right clicking on the page** and **tick the Identity** option. Change the **Table** name to **tblStudent** by **query** and that is placed in the **bottom part**.

After all click on  **Update** button that is placed in top side. **Update Database**

10. STEP

SCREEN SHOT

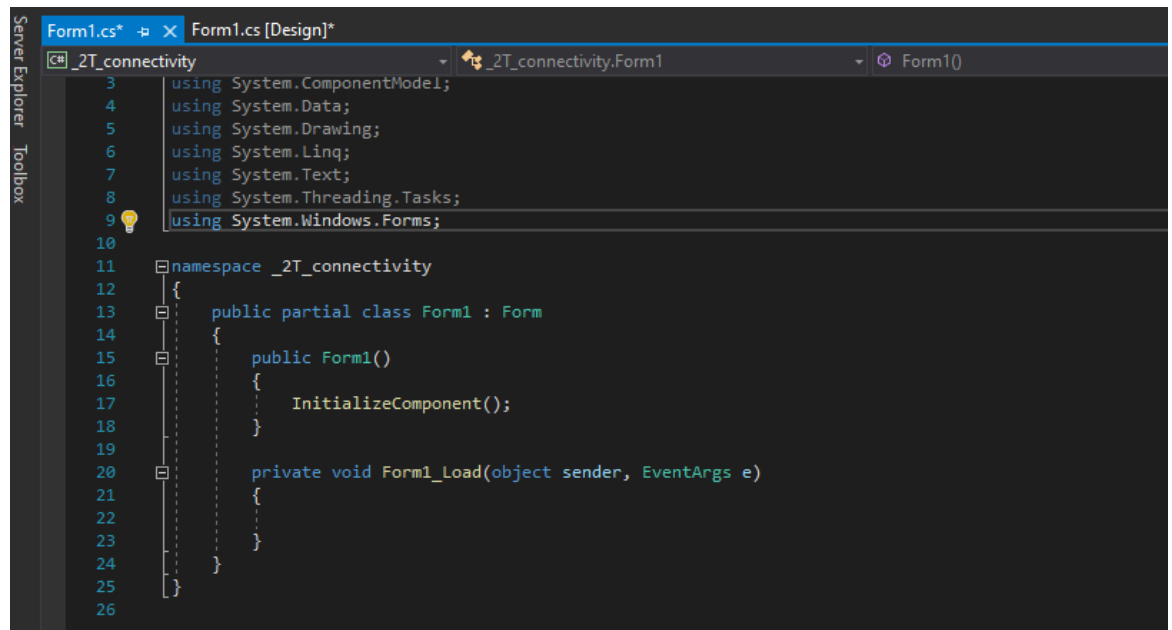


DESCRIPTION

Go to the **Server Explorer** and **check** if your **table** is there or not, if it is not visible then refresh it by  **refresh option** and again check.

11. STEP

SCREEN SHOT



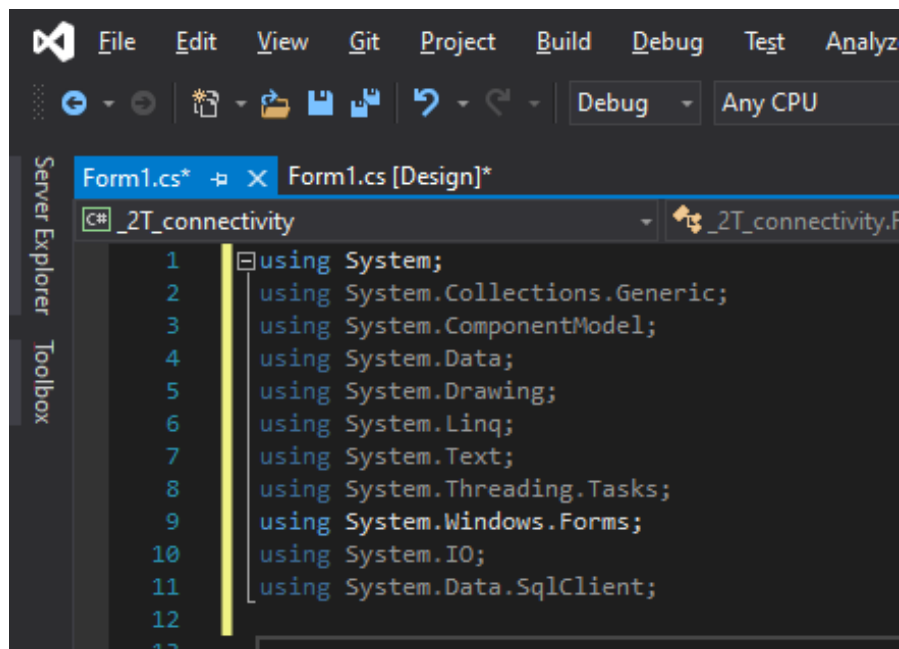
DESCRIPTION

Now this is coding time. Double click on the form and your coding page is

opened(Form1.cs*).

12. STEP

SCREEN SHOT



DESCRIPTION

First of all check libraries. If any are missing then add it.

My Libraries. :

```
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.IO;
using System.Data.SqlClient;
```

13. STEP

SCREEN SHOT

```
namespace _2T_connectivity
{
    public partial class Form1 : Form
    {
        SqlConnection con; // Used for connection
        SqlCommand cmd; // Insert, Update, Delete
        SqlDataAdapter da; // Select
        DataSet ds; // container

        public Form1()
        {
            InitializeComponent();
        }
    }
}
```

DESCRIPTION

Declare sql variables:
SqlConnection con; // Used for connection
SqlCommand cmd; // Insert, Update, Delete
SqlDataAdapter da; // Select
DataSet ds; // container

14. STEP

SCREEN SHOT

```
SqlConnection con; // Used for connection
SqlCommand cmd; // Insert, Update, Delete
SqlDataAdapter da; // Select
DataSet ds; // container

String s = @"Data Source=(LocalDB)\MSSQLLocalDB;Attach='Student.mdf';";
String i; // for move image
String d; // image save in database

public Form1()
{
    InitializeComponent();
}
```

DESCRIPTION

Wright this code :
String s = @"
String i; // for move image
String d; // image save in database

In the double quote(@"") you have to add a Connection String path. It is in the properties of the database(Student.mdf).

(Server Explorer >> Data Connections >> Student.mdf >> right click >>

properties >> right side in the properties Connection String >> Copy it >> Paste between double quote (@""))

15. STEP

SCREEN SHOT

```
String i; // for move image
String d; //image save in database

void connection()
{
    con = new SqlConnection(s);
    con.Open();
}
```

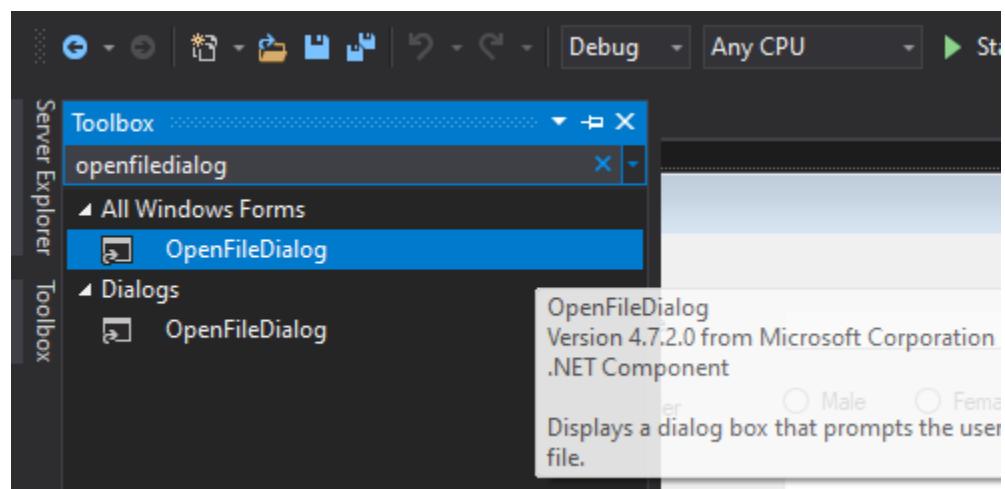
DESCRIPTION

Create connection() method for connecting database:

```
void connection()
{
    con = new SqlConnection(s);
    con.Open();
}
```

16. STEP

SCREEN SHOT



DESCRIPTION

Go to the **design form(Form1.cs [Design]*)**, Go to Toolbox and **double click** on **OpenFileDialog**.

17. STEP

SCREEN SHOT

```
void connection()
{
    con = new SqlConnection(s);
    con.Open();
}

void uploadImage()
{
    openFileDialog1.ShowDialog();
    try
    {
        i = openFileDialog1.FileName.ToString();
        pbImage.Load(i);
    }
    catch (Exception e)
    {
        MessageBox.Show(e.ToString());
    }
}
```

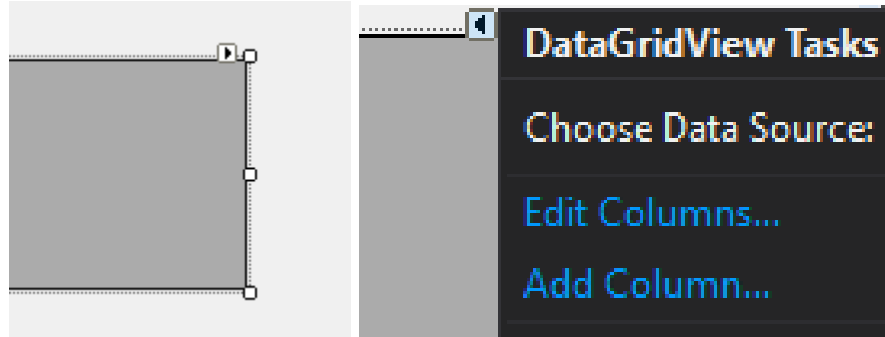
DESCRIPTION

Create uploadImage() method:

```
void uploadImage()
{
    openFileDialog1.ShowDialog();
    try
    {
        i = openFileDialog1.FileName.ToString();
        pbImage.Load(i);
    }
    catch(Exception e)
    {
        MessageBox.Show(e.ToString());
    }
}
```

18. STEP

SCREEN SHOT



DESCRIPTION

Go to the **design form(Form1.cs [Design]*)**, and configure **DataGridView**

- Click on it.
- Click on the ► option that is shown on DataGridView.
- Click on **Edit Columns...**
- Click on Add button

This is a Column adding image. (One by One Add it)

Add Column	Add Column
<input type="radio"/> Databound column	<input type="radio"/> Databound column
Columns in the DataSource	Columns in the DataSource
<div></div>	<div></div>
<input checked="" type="radio"/> Unbound column	<input checked="" type="radio"/> Unbound column
Name: <input type="text" value="dgvStudentID"/>	Name: <input type="text" value="dgvStudentName"/>
Type: <input type="text" value="DataGridViewTextBoxColumn"/>	Type: <input type="text" value="DataGridViewTextBoxColumn"/>
Header text: <input type="text" value="ID"/>	Header text: <input type="text" value="Name"/>
<input checked="" type="checkbox"/> Visible <input type="checkbox"/> Read Only <input type="checkbox"/> Frozen	<input checked="" type="checkbox"/> Visible <input type="checkbox"/> Read Only <input type="checkbox"/> Frozen
<input type="button" value="Add"/> <input type="button" value="Cancel"/>	<input type="button" value="Add"/> <input type="button" value="Close"/>

Add Column ? X

☐ Databound column

Columns in the DataSource

☒ Unbound column

Name:

Type:

Header text:

☒ Visible ☐ Read Only ☐ Frozen

Add Column ? X

☐ Databound column

Columns in the DataSource

☒ Unbound column

Name:

Type:

Header text:

☒ Visible ☐ Read Only ☐ Frozen

Add Column ? X

☐ Databound column

Columns in the DataSource

☒ Unbound column

Name:

Type:

Header text:

☒ Visible ☐ Read Only ☐ Frozen

Click on close

Note: Change type of image column

Set the properties of each columns

Column Name	DataPropertyName	ImageLayout
ID	s_ID	
Name	s_Name	
Gender	s_Gender	
Address	s_Address	
Image	Photo	Zoom

(Note: except for the Image column we wrote a DataPropertyName same as database(Student.mdf) columns.)

19. STEP

SCREEN SHOT

```
private void bUpload_Click(object sender, EventArgs e)
{
    uploadImage();
}
```

DESCRIPTION

Go to the **design form(Form1.cs [Design]*)**, double click on the Upload button. It will take you to **code of form(Form1.cs*)** and **your cursor moves between upload method braces**. Call the **uploadImage();** method.

20. STEP

SCREEN SHOT

```
void fillGrid()
{
    connection();

    da = new SqlDataAdapter("SELECT s_ID, s_Name, s_Gender, s_Address, s_Image FR

    DataTable dt = new DataTable();
    da.Fill(dt);

    dt.Columns.Add("Photo", Type.GetType("System.Byte[]"));

    dataGridView1.AutoSizeColumnsMode = DataGridViewAutoSizeColumnsMode.Fill;

    foreach (DataRow draw in dt.Rows)
    {
        draw["Photo"] = File.ReadAllBytes(draw["s_Image"].ToString());
    }

    dataGridView1.DataSource = dt;
}

public Form1()
{
    InitializeComponent();
}
```

DESCRIPTION

Now create the fillGrid() method:

```
void fillGrid()
{
    connection();

    da = new SqlDataAdapter("SELECT s_ID, s_Name, s_Gender,
s_Address, s_Image FROM tblStudent", con);

    DataTable dt = new DataTable();
    da.Fill(dt);

    dt.Columns.Add("Photo", Type.GetType("System.Byte[]"));

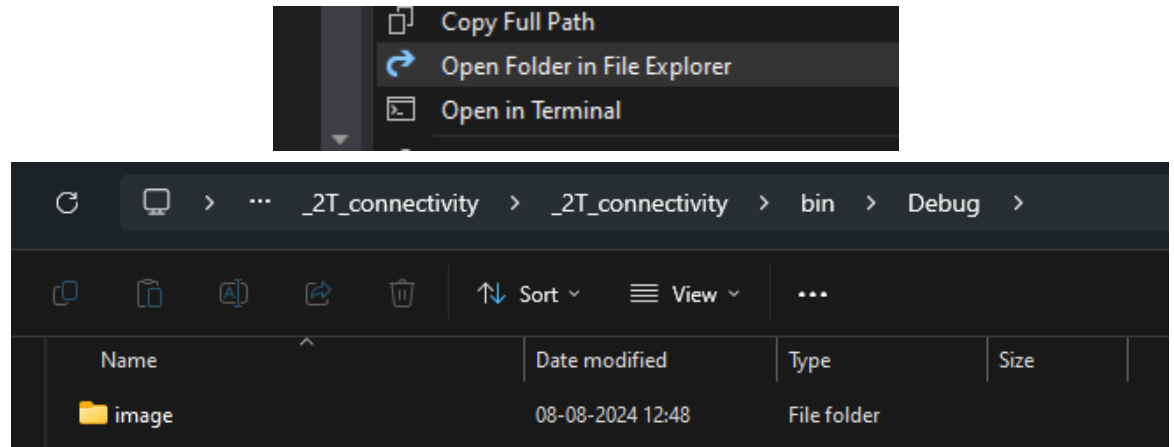
    dataGridView1.AutoSizeColumnsMode =
DataGridViewAutoSizeColumnsMode.Fill;

    foreach(DataRow draw in dt.Rows)
    {
        draw["Photo"] = File.ReadAllBytes(draw["s_Image"].ToString());
    }

    dataGridView1.DataSource = dt;
}
```


21. STEP

SCREEN SHOT



DESCRIPTION

Go to **Solution Explorer** and **right click** on the **project file**, Click on **Open Folder in File Explorer** option.
- It will take you to the project folder and you have to create one folder “**image**” in **bin>>debug** path.

22. STEP

SCREEN SHOT

```
private void bSave_Click(object sender, EventArgs e)
{
    connection();

    d = Application.StartupPath + "image" + openFileDialog1.SafeFileName.ToString();

    System.IO.File.Copy(i, d);

    String gender = rbMale.Checked ? "Male" : "Female";

    cmd = new SqlCommand("INSERT INTO tblStudent(s_Name, s_Gender, s_Address, s_Image) VALUES('" + txtName.Text + "', '" + gender + "', '" + txtAddress.Text + "', '" + d + "')", con);
    cmd.ExecuteNonQuery();
    fillGrid();
}
```

DESCRIPTION

Go to the **design form(Form1.cs [Design]*)**, double click on the Save button. It will take you to **code of form(Form1.cs*)** and **your cursor moves between save method braces**. Write below code between it.

```
connection();
```

```
d = Application.StartupPath + "image" + openFileDialog1.SafeFileName.ToString();
```

```
System.IO.File.Copy(i, d);
```

```
String gender = rbMale.Checked ? "Male" : "Female";
```

```
cmd = new SqlCommand("INSERT INTO tblStudent(s_Name, s_Gender, s_Address, s_Image) VALUES('" + txtName.Text + "', '" + gender + "', '" + txtAddress.Text + "', '" + d + "')", con);
```

```
cmd.ExecuteNonQuery();
fillGrid();
```

23. STEP

SCREEN SHOT

```
private void Form1_Load(object sender, EventArgs e)
{
    connection();
    fillGrid();
}

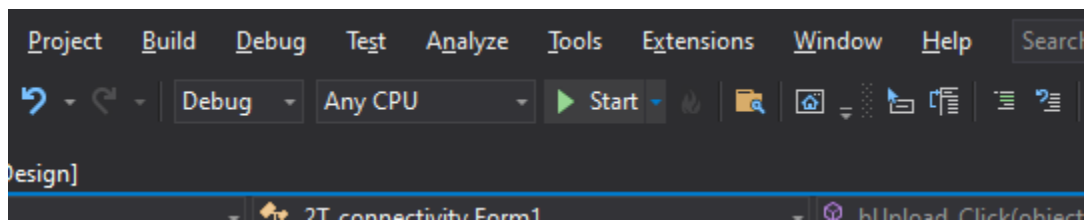
private void bUpload_Click(object sender, EventArgs e)
{
    uploadImage();
}
```

DESCRIPTION

In the **Form1_Load()** method call the **connection()** method and **fillGrid()** method.

24. STEP

SCREEN SHOT



DESCRIPTION

Now Run the Program by F5 button or Manually by Start option.

25. STEP

SCREEN SHOT

Form1

Name: Hardik

Gender: ☒ Male ☐ Female

Address: Rajkot

Image: [Placeholder Box] [Upload]

[Save]

	ID	Name	Gender	Address	Image	s_image
▶	1	Hardik	Male	Rajkot	[Image]	C:\Drive 2\Pro...
*					[X]	

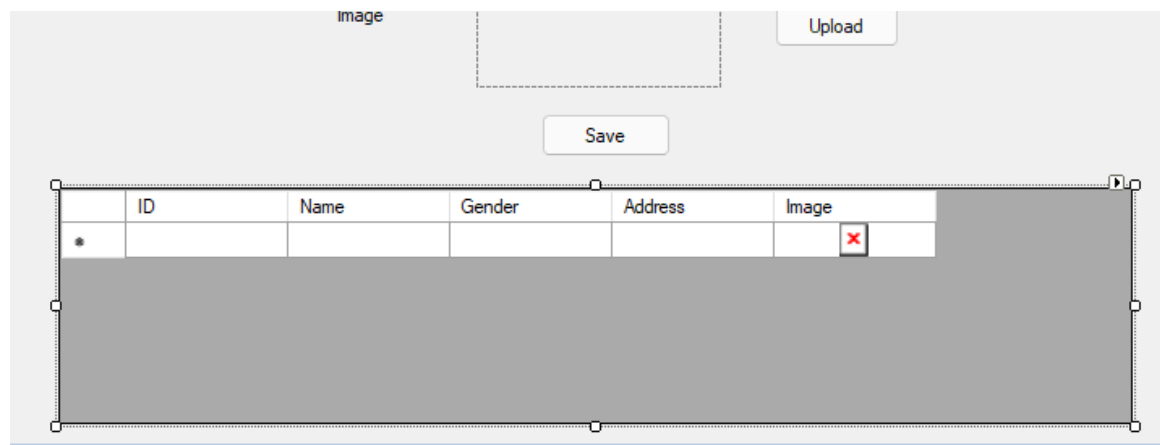
DESCRIPTION

Fill the form and press the save button and the data will appear in the grid.
Congratulations! If you did it.

Now we will work on **Update data.**

26. STEP

SCREEN SHOT

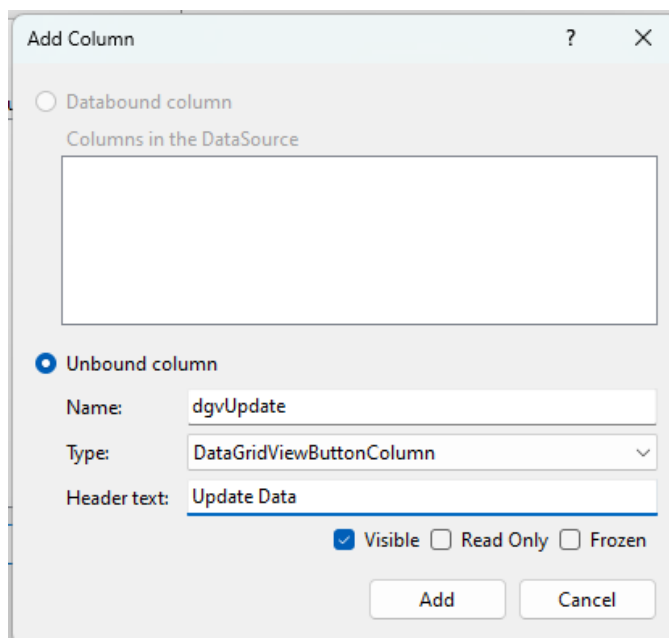


DESCRIPTION

Increase the size of DataGridView in form.

27. STEP

SCREEN SHOT






DESCRIPTION

Go to the **Edit Column** option of DataGirdView and **Add Column**. Set its Type to **DataGirdViewButtonColumn**

28. STEP

SCREEN SHOT

	ID	Name	Gender	Address	Image	Update Data	s_Image
▶	1	Hardik	Male	Rajkot		Update	C:\Drive 2\Pro...
	2	Wanda	Female	New York		Update	C:\Drive 2\Pro...
*							

DESCRIPTION

Set its properties:

Text: Update

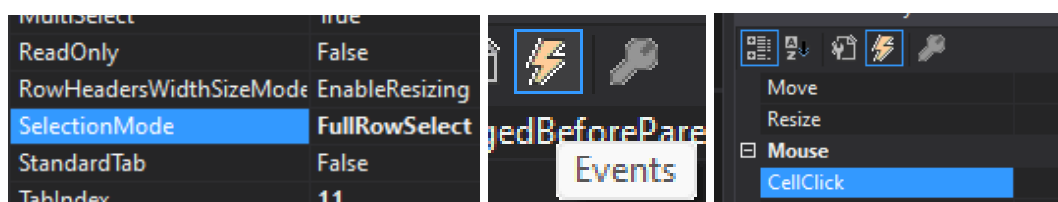
UseColumnTextForButton: True

AutoSizeMode: ColumnHeader

Run and check it has to look like the above image and if you click on it, it does not have to work yet.

29. STEP

SCREEN SHOT



DESCRIPTION

Configure the DataGridView Properties. Click on DataGridView press **F4** and right side its properties appear.

1. Find the **Selection Mode** and set it to **FullRowSelect**

2. Click on the **Events** button, find the “**CellClick**” Event and **double click** on it.

It will take you to the CellClick method.

(Go to the code file and declare one public variable id with integer datatype)

```
String i; // for move image
String d; //image save in database
public int id;

void connection()
```

30. STEP

SCREEN SHOT

```
private void dataGridView1_CellClick(object sender, DataGridViewCellEventArgs e)
{
    if(dataGridView1.Columns[e.ColumnIndex].HeaderText=="Update Data")
    {
        bSave.Text = "Update";

        connection();

        int id = Convert.ToInt16(dataGridView1.Rows[e.RowIndex].Cells["dgvStudentID"].Value);

        string name, address;

        name = (dataGridView1.Rows[e.RowIndex].Cells["dgvStudentName"].Value).ToString();
        address = (dataGridView1.Rows[e.RowIndex].Cells["dgvStudentAddress"].Value).ToString();

        txtName.Text = name;
        rbMale.Checked = false;
        rbFemale.Checked = false;
        txtAddress.Text = address;
    }
    else
    {
        //delete
    }
}
```

DESCRIPTION

Write Below code in CellClick method:

```
if(dataGridView1.Columns[e.ColumnIndex].HeaderText=="Update Data")
{
    bSave.Text = "Update";

    connection();


    id =
Convert.ToInt16(dataGridView1.Rows[e.RowIndex].Cells["dgvStudentID"].Value);

    string name, address;

    name =
(dataGridView1.Rows[e.RowIndex].Cells["dgvStudentName"].Value).ToString();
    address =
(dataGridView1.Rows[e.RowIndex].Cells["dgvStudentAddress"].Value).ToString();
```

	<pre> txtName.Text = name; rbMale.Checked = false; rbFemale.Checked = false; txtAddress.Text = address; } else { //delete } </pre>
--	--

31. STEP

SCREEN SHOT	 <pre> private void bSave_Click(object sender, EventArgs e) { if(bSave.Text=="Save") { connection(); d = Application.StartupPath + "image" + openFileDialog1.SafeFileName; System.IO.File.Copy(i, d); String gender = rbMale.Checked ? "Male" : "Female"; cmd = new SqlCommand("INSERT INTO tblStudent(s_Name, s_Gender, s_Add cmd.ExecuteNonQuery(); fillGrid(); } else { } } </pre>
DESCRIPTION	<p>Go to the bSave() method code:</p> <ul style="list-style-type: none"> - Select and Cut the whole code of it. - Write this if condition in it. <pre> if(bSave.Text=="Save") { //paste here, cutted code } else { } </pre>

32. STEP

SCREEN SHOT

```
else
{
    connection();

    String gender = rbMale.Checked ? "Male" : "Female";
    cmd = new SqlCommand("UPDATE tblStudent SET s_Name = '"+txtName.Text+"', s_Gender = '"+gender+"', s_Address = '"+txtAddress.Text+"', s_ID = '"+id+"' ", con);
    cmd.ExecuteNonQuery();
    fillGrid();
}
```

DESCRIPTION

In the else{} part of bSave() method, Write below code:

```
connection();
```

```
String gender = rbMale.Checked ? "Male" : "Female";
cmd = new SqlCommand("UPDATE tblStudent SET s_Name = 
 '"+txtName.Text+"', s_Gender = '"+gender+"', s_Address = '"+txtAddress.Text+" 
 WHERE s_ID = '"+id+"' ", con);
cmd.ExecuteNonQuery();
fillGrid();
```

33. STEP




SCREEN SHOT

Name

Gender ☒ Male ☐ Female

Address

Image




	ID	Name	Gender	Address	Image	Update Data	s_Image
	1	Hardik Dharaiya	Male	Rajkot		<input type="button" value="Update"/>	C:\Drive 2\Pro...
▶	2	John	Male	New York		<input type="button" value="Update"/>	C:\Drive 2\Pro...
*						<input type="button" value="Update"/>	

Name

Gender ☒ Male ☐ Female

Address

Image

	ID	Name	Gender	Address	Image	Update Data	s_Image
▶	1	Hardik Dharaiya	Male	Rajkot		<input type="button" value="Update"/>	C:\Drive 2\Pro...
	2	John wick	Male	New York		<input type="button" value="Update"/>	C:\Drive 2\Pro...
						<input type="button" value="Update"/>	

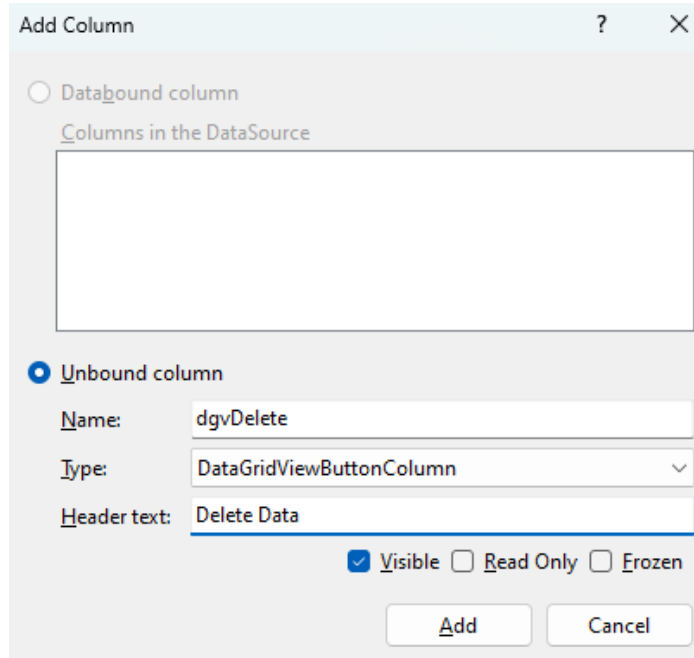
DESCRIPTION

Congratulations ! if you did it. If you wanna check then Start Program and Update the data.

Now We Delete Data

34. STEP

SCREEN SHOT



The screenshot shows the 'Add Column' dialog box with the following details:

- Dialog Title:** Add Column
- Options:**
 - ☐ Databound column
 - ☒ Unbound column
- Columns in the DataSource:** (Empty list box)
- Fields:**
 - Name:** dgvDelete
 - Type:** DataGridViewButtonColumn
 - Header text:** Delete Data
- Properties:**
 - ☒ Visible
 - ☐ Read Only
 - ☐ Frozen
- Buttons:** Add, Cancel

DESCRIPTION

Go to the **Design Form(Form1.cs [Design]*)**,
- Click on **DataGridView** and Click on its **arrow button**.
- **Edit columns** and click on **Add... button**.
- Fill the form. Set Type to **DataGridViewButtonColumn** and click Add Option.

Set its properties:

Text: Delete
UseColumnTextForButton: True
AutoSizeMode: ColumnHeader

35. STEP

SCREEN SHOT

```
    }  
    else  
    {  
        //delete  
        connection();  
        int deleteID = Convert.ToInt32(dataGridView1.Rows[e.RowIndex].Cells["dgvStudentID"]  
  
        cmd = new SqlCommand("DELETE FROM tblStudent WHERE s_ID = '"+deleteID+"'", con);  
        cmd.ExecuteNonQuery();  
        fillGrid();  
    }  
}
```

DESCRIPTION

Go to the code of form(**Form1.cs**),
- Go to the **CellClick method** and its **else part** is empty.
- **So Write below code in it:**

```
//delete  
connection();  
int deleteID =  
Convert.ToInt32(dataGridView1.Rows[e.RowIndex].Cells["dgvStudentID"].Value);  
  
cmd = new SqlCommand("DELETE FROM tblStudent WHERE s_ID =  
"+deleteID+"", con);  
cmd.ExecuteNonQuery();  
fillGrid();
```

36. STEP

SCREEN SHOT

Form1

Name

Gender ☐ Male ☐ Female

Address

Image

	ID	Name	Gender	Address	Image	Update Data	Delete Data	s_Image
▶	1	Hardik Dharaiya	Male	Rajkot		<input type="button" value="Update"/>	<input type="button" value="Delete"/>	C:\Drive 2\Progr...
*	4	John Wick	Male	Rajkot		<input type="button" value="Update"/>	<input type="button" value="Delete"/>	C:\Drive 2\Progr...

Form1

Name

Gender ☐ Male ☐ Female

Address

Image

	ID	Name	Gender	Address	Image	Update Data	Delete Data	s_Image
▶	1	Hardik Dharaiya	Male	Rajkot		<input type="button" value="Update"/>	<input type="button" value="Delete"/>	C:\Drive 2\Progr...
*						<input type="button" value="Update"/>	<input type="button" value="Delete"/>	

DESCRIPTION

Congratulations !! All are set.

Whole Code

```
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.IO;
using System.Data.SqlClient;

namespace _2T_connectivity
{
    public partial class Form1 : Form
    {
        SqlConnection con; // Used for connection
        SqlCommand cmd; // Insert, Update, Delete
        SqlDataAdapter da;//Select
        DataSet ds;//container

        String s = @"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Drive 2\Programs\C#.net Window
Desktop\_2T_connectivity\_2T_connectivity\Student.mdf;Integrated Security=True";
        String i;// for move image
        String d; //image save in database
        public int id;

        void connection()
        {
            con = new SqlConnection(s);
            con.Open();
        }

        void uploadImage()
        {
            openFileDialog1.ShowDialog();
            try
            {
                i = openFileDialog1.FileName.ToString();
                pbImage.Load(i);
            }
            catch (Exception e)
            {
            }
        }
    }
}
```

```
                MessageBox.Show(e.ToString());
            }
        }

        void fillGrid()
        {
            connection();

            da = new SqlDataAdapter("SELECT s_ID, s_Name, s_Gender,
s_Address, s_Image FROM tblStudent", con);

            DataTable dt = new DataTable();
            da.Fill(dt);

            dt.Columns.Add("Photo", Type.GetType("System.Byte[]"));

            dataGridView1.AutoSizeColumnsMode =
DataGridViewAutoSizeColumnsMode.Fill;

            foreach (DataRow draw in dt.Rows)
            {
                draw["Photo"] = File.ReadAllBytes(draw["s_Image"].ToString());
            }

            dataGridView1.DataSource = dt;
        }

        public Form1()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
        {
            connection();
            fillGrid();
        }

        private void bUpload_Click(object sender, EventArgs e)
        {
            uploadImage();
        }

        private void bSave_Click(object sender, EventArgs e)
        {
            if(bSave.Text=="Save")
            {
                connection();
            }
        }
    }
}
```

```
                d = Application.StartupPath + "image" +  
openFileDialog1.SafeFileName.ToString();  
  
                System.IO.File.Copy(i, d);  
  
                String gender = rbMale.Checked ? "Male" : "Female";  
  
                cmd = new SqlCommand("INSERT INTO tblStudent(s_Name,  
s_Gender, s_Address, s_Image) VALUES('" + txtName.Text + "', '" + gender + "', '" +  
txtAddress.Text + "', '" + d + "')", con);  
                cmd.ExecuteNonQuery();  
                fillGrid();  
            }  
            else  
            {  
                connection();  
  
                String gender = rbMale.Checked ? "Male" : "Female";  
                cmd = new SqlCommand("UPDATE tblStudent SET s_Name =  
'" + txtName.Text + "', s_Gender = '" + gender + "', s_Address = '" + txtAddress.Text + "' WHERE s_ID  
= '" + id + "' ", con);  
  
                cmd.ExecuteNonQuery();  
                fillGrid();  
            }  
        }  
  
        private void dataGridView1_CellClick(object sender,  
DataGridViewCellEventArgs e)  
        {  
            if(dataGridView1.Columns[e.ColumnIndex].HeaderText=="Update  
Data")  
            {  
                bSave.Text = "Update";  
  
                connection();  
  
                id =  
Convert.ToInt16(dataGridView1.Rows[e.RowIndex].Cells["dgvStudentID"].Value);  
  
                string name, address;  
  
                name =  
(dataGridView1.Rows[e.RowIndex].Cells["dgvStudentName"].Value).ToString();  
                address =  
(dataGridView1.Rows[e.RowIndex].Cells["dgvStudentAddress"].Value).ToString();  
  
                txtName.Text = name;  
                rbMale.Checked = false;  
                rbFemale.Checked = false;
```



```
                txtAddress.Text = address;
            }
            else
            {
                //delete
                connection();
                int deleteID =
Convert.ToInt32(dataGridView1.Rows[e.RowIndex].Cells["dgvStudentID"].Value);

                cmd = new SqlCommand("DELETE FROM tblStudent WHERE
s_ID = '"+deleteID+"'", con);
                cmd.ExecuteNonQuery();
                fillGrid();
            }
        }
    }
}
```