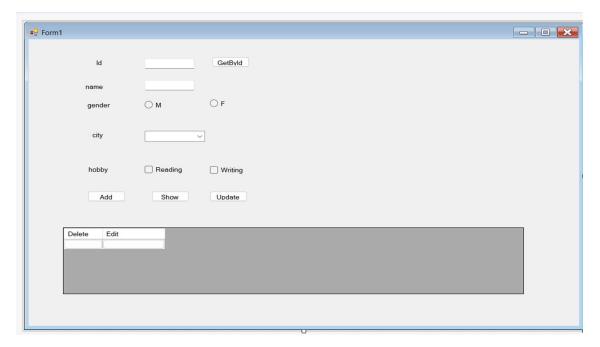
### Database Name: PersonData

Table Name: Persons

Id	Primary Key, Auto increment		
Name	Varchar		
Gender	Varchar		
Hobby	Varchar		
City	Varche		

Step:1 Form Design



Step: 2 Establish the connection

```
Form1.cs* 🗢 🗙 Form1.cs [Design]*
C<sup>■</sup> WindowsFormsApp12
                                                                               ▼ * WindowsFormsApp12.Form1
                                                                                                                                                                  ▼ 9 Form1()
                  _using System;
                    using System.Collections.Generic;
using System.ComponentModel;
                  using System.ComponentModel;
using System.Drawing;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Tereading.Tasks;
using System.Windows.Forms;
using System.Data.SqlClient;
        10
11
12
13
                  =namespace WindowsFormsApp12
                           public partial class Form1 : Form
        14
15
16
17
18
19
                                 SqlConnection con;
string gender = "";
string hobby = "";
                                 1 reference
public Form1()
{
        20
        21
22
23
24
                                        con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Priyanka\Downloads\WindowsFormsApp12'
                                        InitializeComponent();
```

# Step 3: Insert and display data

```
Form1.cs* → × Form1.cs [Des
                                                                                       C# WindowsFormsApp12
                                                                                                                                                                                    ▼ ⊕ button1_Click(object sender, EventArgs e)
        24
                                     private void button1_Click(object sender, EventArgs e)
        27
                                           if (radioButton1.Checked == true)
   gender = "Male";
if (radioButton2.Checked == true)
   gender = "Female";
        28
29
30
31
32
33
34
35
36
37
38
39
40
                                            if (checkBox1.Checked == true)
                                         if (checkBox1.Checked == true)
hobby = "reading,";
if (checkBox2.Checked == true)
hobby += "writing,";
if (checkBox2.Checked == true)
hobby += "writing,";
id cmd = new SqlCommand("INSERT INTO [Persons] ([name], [gender], [city], [hobby]) VALUES (@name,@gender,@city,@hobby)", con);
cmd.Parameters.AddWithValue("@ender", gender);
cmd.Parameters.AddWithValue("@gender", gender);
cmd.Parameters.AddWithValue("@ehobby", hobby);
                                           con.Open();
int s = cmd.ExecuteNonQuery();
MessageBox.Show("data added");
       41
42
43
44
                                            con.Close();
        45
        46
                                     private void Print()
                                            SqlDataAdapter adpt = new SqlDataAdapter("SELECT * FROM [Persons]", con);
DataTable dt = new DataTable();
       48
49
50
51
                                            adpt.Fill(dt);
                                            dataGridView1.DataSource = dt;
```

### Step 4: Delete by Id

## Step 5: Get data by Id

### Step 6: Update by Id