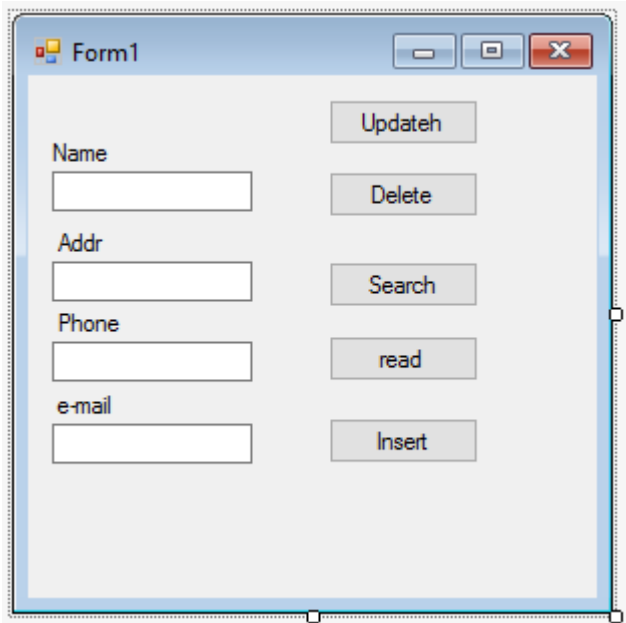


## Personal database - file based



```
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;

namespace _2A_windb_file
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            //insert
            if(maskedTextBox1.Text!="")
            {
                StreamWriter sw = new StreamWriter("members.txt", true);
                sw.Write(maskedTextBox1.Text);
                sw.Write(",");
                sw.Write(maskedTextBox2.Text);
                sw.Write(",");
                sw.Write(maskedTextBox3.Text);
                sw.Write(",");
                sw.WriteLine(maskedTextBox4.Text);
                sw.Close();
                maskedTextBox1.Text = "";
                maskedTextBox2.Text = "";
            }
        }
    }
}
```

```

        maskedTextBox3.Text = "";
        maskedTextBox4.Text = "";
    }
}

private void button2_Click(object sender, EventArgs e)
{
    if (File.Exists("members.txt"))
    {
        StreamReader sr = new StreamReader("members.txt");
        string str;
        while ((str = sr.ReadLine()) != null)
        {
            string[] s = str.Split(',');
            maskedTextBox1.Text = s[0];
            maskedTextBox2.Text = s[1];
            maskedTextBox3.Text = s[2];
            maskedTextBox4.Text = s[3];
            MessageBox.Show("next");
        }
        sr.Close();
    }
}

private void button3_Click(object sender, EventArgs e)
{
    // search
    if(maskedTextBox1.Text!="")
    {
        StreamReader sr = new StreamReader("members.txt");
        string str;
        while ((str = sr.ReadLine()) != null)
        {
            string[] s = str.Split(',');
            if(s[0]==maskedTextBox1.Text)
            {
                maskedTextBox2.Text = s[1];
                maskedTextBox3.Text = s[2];
                maskedTextBox4.Text = s[3];
            }
        }
        sr.Close();
    }
}

private void button4_Click(object sender, EventArgs e)
{
    //delete a member
    string str;
    StreamWriter sw = new StreamWriter("temp.txt");
    StreamReader sr = new StreamReader("members.txt");
    while ((str = sr.ReadLine()) != null)
    {
        string[] s = str.Split(',');
        if (s[0] == maskedTextBox1.Text)
        {
        }
        else
        {

```

```
        sw.WriteLine(str);
    }
}
sr.Close();
sw.Close();
File.Delete("members.txt");
File.Move("temp.txt", "members.txt");
}
}
```