

## List box Control

Write a program to demonstrate use of ListBox control.

### Code

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

namespace Practical_7
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button3_Click(object sender, EventArgs e)
        {
            string str1 = textBox2.Text.ToUpper();
            if (str1 == "")
            {
                label2.Text = "null value cant be inserted";
                label2.Visible = true;
            }
            else if (listBox2.Items.Contains(str1))
            {
                label2.Text = "value already exists in listbox";
                label2.Visible = true;
            }
            else
            {
                listBox2.Items.Add(str1);
                textBox2.Clear();
                label2.Visible = false;
            }
        }
    }
}
```

```
private void button1_Click(object sender, EventArgs e)
{
    string str = textBox1.Text.ToUpper();
    if (str == "")
    {
        label1.Text = "null value cant be inserted";
        label1.Visible = true;
    }
    else if (listBox1.Items.Contains(str))
    {
        label1.Text = "value already exists in listbox";
        label1.Visible = true;
    }
    else
    {
        listBox1.Items.Add(str);
        textBox1.Clear();
        label1.Visible = false;
    }
}

private void button2_Click(object sender, EventArgs e)
{
    string str = textBox1.Text.ToUpper();
    if (listBox1.Items.Contains(str))
    {
        listBox1.Items.Remove(str);
        textBox1.Clear();
        label1.Visible = false;
    }
    else if (str == "")
    {
        label1.Text = "please select or insert a value you
want to delete";
        label1.Visible = true;
        int i;
        for (i = listBox1.SelectedItems.Count - 1; i >= 0; i-
- )
        {
            listBox1.Items.Remove(listBox1.SelectedItems[i]);
        }
    }
}

private void button4_Click(object sender, EventArgs e)
{
    string str1 = textBox2.Text.ToUpper();
    if (listBox2.Items.Contains(str1))
```

```
        {
            listBox2.Items.Remove(str1);
            textBox2.Clear();
            label2.Visible = false;
        }
        else if (str1 == "")
        {
            label2.Text = "please select or insert a value you
want to delete";
            label2.Visible = true;
            int i;
            for (i = listBox1.SelectedItems.Count - 1; i >= 0; i--
-
            )
            {
                listBox2.Items.Remove(listBox1.SelectedItems[i]);
            }
        }
    }

private void button5_Click(object sender, EventArgs e)
{
    int i;
    for (i = listBox1.SelectedItems.Count - 1; i >= 0; i--)
    {
        listBox2.Items.Add(listBox1.SelectedItems[i]);
        listBox1.Items.Remove(listBox1.SelectedItems[i]);
    }
}

private void button6_Click(object sender, EventArgs e)
{
    int i;
    for (i = listBox1.SelectedItems.Count - 1; i >= 0; i--)
    {
        listBox1.Items.Add(listBox2.SelectedItems[i]);
        listBox2.Items.Remove(listBox2.SelectedItems[i]);
    }
}
}
```

The image displays three sequential screenshots of a Windows application window titled 'Form1'. The application is designed for managing a list of names between two containers.

**Initial State (Top Screenshot):**

- Left List Box:** Contains the names BRIJESH, AMIT, VISHAL, VIKAS, and JIGNESH.
- Right List Box:** Is empty.
- Buttons:** There are two buttons between the list boxes: ==> and <==.
- Input Fields:** Below each list box is a text input field. The left field contains 'rohit', and the right field contains 'sourav'.
- Action Buttons:** Below each input field are 'Insert' and 'Delete' buttons.

**After Clicking ==> (Middle Screenshot):**

- Left List Box:** Now contains VISHAL, VIKAS, ROHIT, JIGNESH, and AMIT. 'VISHAL' is highlighted in blue.
- Right List Box:** Now contains SOURAV, BRIJESH, and JIGNESH.

**After Clicking <== (Bottom Screenshot):**

- Left List Box:** Now contains VIKAS, ROHIT, JIGNESH, and AMIT.
- Right List Box:** Now contains SOURAV, BRIJESH, JIGNESH, and VISHAL. 'VISHAL' is highlighted in blue.