

Lab Tutorial - 6

1 : Design an application like follow. Depends on user selection it will display the message as shown. (If gender is Male then Mr. or Female then Miss)

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;

namespace WindowsFormsApp1
{
    public partial class Form4 : Form
    {
        String s1 = "";
        public Form4()
        {
            InitializeComponent();
        }

        public void sourceOfInformation()
        {
            if(checkBox1.Text == "News Papers")
            {
                s1 = "News Paper";
            }else if(checkBox2.Text == "Friends")
            {
                s1 = "Friends";
            }else if(checkBox3.Text == "Website")
            {
                s1 = "Website";
            }else if(checkBox4.Text == "Others")
            {
                s1 = "Others";
            }
        }
    }
}
```

```
    }  
}  
  
private void textBox1_TextChanged(object sender, EventArgs e)  
{  
  
}  
  
private void button1_Click(object sender, EventArgs e)  
{  
    sourceOfInformation();  
    if(radioButton1.Text == "Male")  
    {  
        label4.Text = "Hello Mr." + textBox1.Text + ". You know about us from " + s1 + ", " +  
comboBox1.Text;  
    }else if(radioButton2.Text == "Female")  
    {  
        label4.Text = "Hello Mrs." + textBox1.Text + ". You know about us from " + s1 + ", " +  
comboBox1.Text;  
    }  
}  
}
```

Output:

Form4

Name: Demo1

Gender: ☒ Male ☐ Female

Source of Information

☒ News Papers ☐ Friends

☐ Website ☐ Others

If others, Specify: Direct

Submit

Hello Mr.Demo1. You know about us from News Paper, Direct

2 : Design a form like below. Implement Following functionality to the application.

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;
```

```
namespace WindowsFormsApp1
{
    public partial class Form5 : Form
    {
        public Form5()
        {
```

```
        InitializeComponent();
    }

    private void button5_Click(object sender, EventArgs e)
    {
        label2.Text = "Display total items : "+ listBox1.Items.Count.ToString();
    }

    private void button3_Click(object sender, EventArgs e)
    {
        listBox1.Items.Clear();
    }

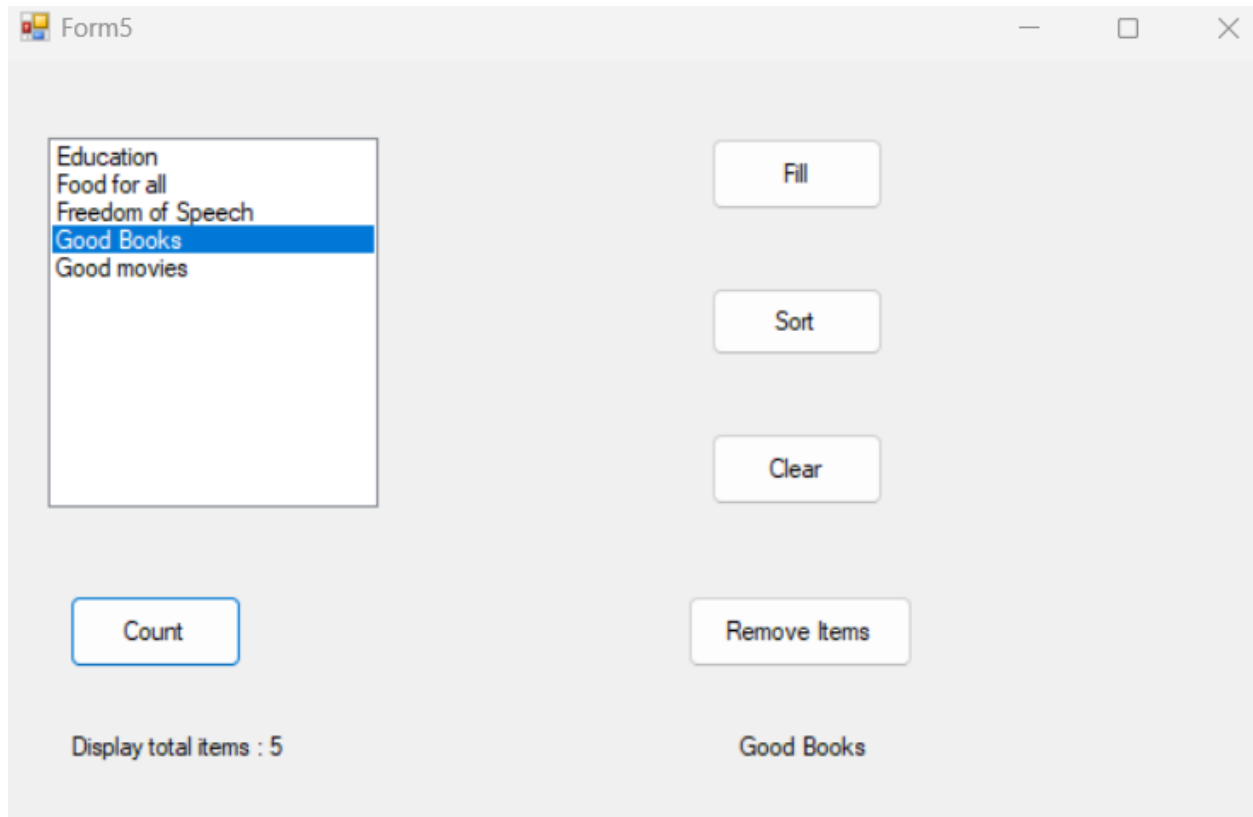
    private void button4_Click(object sender, EventArgs e)
    {
        listBox1.Items.Remove(listBox1.SelectedItem.ToString());
    }

    private void button2_Click(object sender, EventArgs e)
    {
        listBox1.Sorted = true;
    }

    private void button1_Click(object sender, EventArgs e)
    {
        listBox1.Items.Add("Demo1");
    }

    private void listBox1_SelectedIndexChanged(object sender, EventArgs e)
    {
        label1.Text = listBox1.SelectedItem.ToString();
    }
}
```

Output:



3 : Design an application which has three textboxes. Implement restricted policy for each textbox to enter data only in numeric form, uppercase, characters

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;
```

```
namespace WindowsFormsApp1
{
    public partial class Form6 : Form
    {
        public Form6()
        {
```

```
        InitializeComponent();
    }

    private void textBox1_TextChanged(object sender, EventArgs e)
    {

    }

    private void textBox2_TextChanged(object sender, EventArgs e)
    {

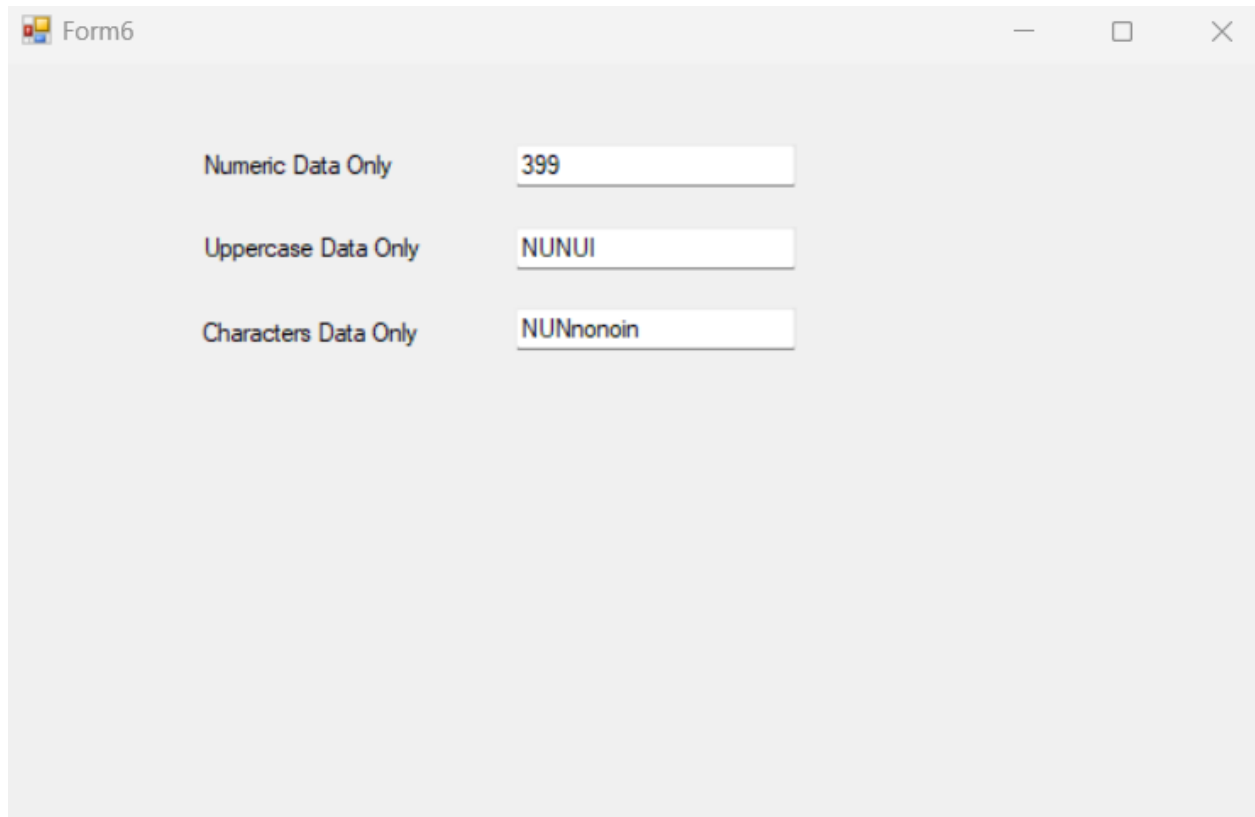
    }

    private void textBox1_KeyPress(object sender, KeyPressEventArgs e)
    {
        e.Handled = !char.IsDigit(e.KeyChar);
    }

    private void textBox2_KeyPress(object sender, KeyPressEventArgs e)
    {
        e.Handled = !char.IsUpper(e.KeyChar);
    }

    private void textBox3_KeyPress(object sender, KeyPressEventArgs e)
    {
        e.Handled = !char.IsLetter(e.KeyChar);
    }
}
}
```

Output:



The image shows a screenshot of a Windows application window titled "Form6". The window has a standard Windows title bar with minimize, maximize, and close buttons. Inside the window, there are three rows of data entry fields. Each row consists of a label on the left and a text input box on the right. The first row is labeled "Numeric Data Only" and contains the value "399". The second row is labeled "Uppercase Data Only" and contains the value "NUNUI". The third row is labeled "Characters Data Only" and contains the value "NUNnonoin".

| Label | Value |
|----------------------|-----------|
| Numeric Data Only | 399 |
| Uppercase Data Only | NUNUI |
| Characters Data Only | NUNnonoin |