## 1)Error

```
//Error provider=>Label2>name,age,Textbox2,btn1,errorprovider3
using System.Text.RegularExpressions;
namespace WinFormsApp1
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
        private void textBox1_TextChanged(object sender, EventArgs e)
        {
            if(textBox1.Text==string.Empty)
            {
                errorProvider1.SetError(textBox1, "Please Enter Name");
                errorProvider2.SetError(textBox1, "");
                errorProvider3.SetError(textBox1, "");
            }
            else
            {
                errorProvider1.SetError(textBox1, "");
                errorProvider2.SetError(textBox1, "");
                errorProvider3.SetError(textBox1, "Correct");
            }
        }
        private void textBox2_TextChanged(object sender, EventArgs e)
        {
            if(textBox2.Text==string.Empty)
            {
                errorProvider1.SetError(textBox2,"Please Enter Age");
```

```
                    errorProvider2.SetError(textBox2,"");

                    errorProvider3.SetError(textBox2,"");

                }

                else

                {

                    Regex numberchk=new Regex(@"^([0-9]*|\d*)$");

                    if(numberchk.IsMatch(textBox2.Text))

                        {

                        errorProvider1.SetError(textBox2, "");

                        errorProvider2.SetError(textBox2, "");

                        errorProvider3.SetError(textBox2, "correct");

                    }

                    else

                    {

                        errorProvider1.SetError(textBox2, "");

                        errorProvider2.SetError(textBox2, "Wrong format");

                        errorProvider3.SetError(textBox2, "");

                    }

                }

            }

        }

}
```

## 2)TreeView

```
//1 button 1treeview

namespace TreeView

{

    public partial class Form1 : Form

    {

        public Form1()

        {

            InitializeComponent();
```

```csharp
        }

        private void button1_Click(object sender, EventArgs e)
        {
            treeView1.Nodes.Add("College");
            treeView1.Nodes.Add("Dept");
            treeView1.Nodes.Add("Class");

            treeView1.Nodes[0].Nodes.Add("DYP");
            treeView1.Nodes[0].Nodes.Add("KIT");
            treeView1.Nodes[0].Nodes.Add("BVCOEK");
            treeView1.Nodes[0].Nodes.Add("DKTE");
            treeView1.Nodes[0].Nodes.Add("SIT");
            treeView1.Nodes[1].Nodes.Add("CSE");
            treeView1.Nodes[1].Nodes.Add("CIVIL");
            treeView1.Nodes[1].Nodes.Add("ELE");
            treeView1.Nodes[1].Nodes.Add("TEXT");
            treeView1.Nodes[1].Nodes.Add("CSE");
            treeView1.Nodes[2].Nodes.Add("TY");
            treeView1.Nodes[2].Nodes.Add("SY");
            treeView1.Nodes[2].Nodes.Add("FY");
            treeView1.Nodes[2].Nodes.Add("TY");
            treeView1.Nodes[2].Nodes.Add("SY");
        }
    }
}
```

## 3)Trackbar

```csharp
//TrackBar,Tetxbox,button
namespace Trackbar
{
    public partial class Form1 : Form
```

```
   {
      public Form1()
      {
         InitializeComponent();
      }
      private void trackBar1_Scroll(object sender, EventArgs e)
      {
         textBox1.Text=trackBar1.Value.ToString();
         int a = trackBar1.Value;
         textBox1.BackColor = Color.FromArgb(a - 10, a + 4, a - 5);
      }
      private void button1_Click(object sender, EventArgs e)
      {
         textBox1.Text=trackBar1.Value.ToString();
      }
      private void Form1_Load(object sender, EventArgs e)
      {
         trackBar1.Maximum = 100;
         trackBar1.Minimum = 20;
         trackBar1.ForeColor = Color.Red;
      }
   }
}
```

## 4)Combobox & listbox

```
//Listbox,combobox1,combobox2,textbox,but1Add,but2clear,but3move
namespace ListBoxComboBox
{
   public partial class Form1 : Form
   {
      public Form1()
      {        InitializeComponent();
```

```csharp
        }

        private void button1_Click(object sender, EventArgs e)

        {

            listBox1.Items.Add("ABC");

            listBox1.Items.Add(textBox1.Text);

            comboBox1.Items.Add(" ");

            comboBox1.Items.Add(textBox1.Text);

        }

        private void button2_Click(object sender, EventArgs e)

        {

            listBox1.Items.Clear();

            comboBox1.Items.Clear();

        }

        private void button3_Click(object sender, EventArgs e)

        {

            listBox2.Items.Add(listBox1.SelectedItem);

            listBox1.Items.Remove(listBox1.SelectedItem);

        }

    }

}
```

## 5)Tooltip

```csharp
//Tooltip,Label,Textbox

namespace ToolTipNew

{

    public partial class Form1 : Form

    {

        public Form1()

        {

            InitializeComponent();

        }
```

```csharp
        private void Form1_Load(object sender, EventArgs e)

        {

            toolTip1.Active = true;

            toolTip1.AutoPopDelay = 1000000;

            toolTip1.BackColor = Color.Red;

            toolTip1.ForeColor = Color.Red;

            toolTip1.SetToolTip(textBox1, "Password should be atleast 8 digit...");

            toolTip1.IsBalloon = true;

        }

    }

}
```

## 6)Picture box

```csharp
namespace PictureBoxTreeView

{

    public partial class Form1 : Form

    {

        private Image file;

        public Form1()

        {

            InitializeComponent();

        }

        private void button1_Click(object sender, EventArgs e)

        {

            OpenFileDialog f = new OpenFileDialog();

            f.Filter = "JPG(*.JPG) | *.jpg";

            if (f.ShowDialog() == DialogResult.OK)

            {

                file = Image.FromFile(f.FileName);

                pictureBox1.Image = file;

            }

        }
```

```csharp
        private void button2_Click(object sender, EventArgs e)

        {

            SaveFileDialog f = new SaveFileDialog();

            f.Filter = "JPG (*.JPG) | *.jpg";

            if(f.ShowDialog() == DialogResult.OK )

            {

                file.Save(f.FileName);

            }

        }

    }

}
```

## 7)FileDialog

```csharp
//openfile dialog,textbox,btn1Browse.

namespace OpenFile_ColorDialog

{

    public partial class Form1 : Form

    {

        public Form1()

        {

            InitializeComponent();

        }

        private void button1_Click(object sender, EventArgs e)

        {

            OpenFileDialog openFileDialog = new OpenFileDialog

            {

                InitialDirectory = @"C:\",

                Title = "Browse text file",

                CheckFileExists = true,

                CheckPathExists = true,

                DefaultExt = "txt",

                Filter = "txt files (*.txt) |*.txt",
```

```
              FilterIndex = 2,

              RestoreDirectory = true,

              ReadOnlyChecked = true,

              ShowReadOnly = true,

          };

          if (openFileDialog1.ShowDialog() == DialogResult.OK)

          {

              textBox1.Text = openFileDialog1.FileName;

          }

      }

  }

}
```

## 8)FontDialog

```
//textbox,fontdia,btn1select>code in btn1.

namespace FontDialog

{

    public partial class Form1 : Form

    {

        public Form1()

        {

            InitializeComponent();

        }

        private void button1_Click(object sender, EventArgs e)

        {

            DialogResult = fontDialog1.ShowDialog();

            if (DialogResult == DialogResult.OK)

            {

                Font font = fontDialog1.Font;

                this.textBox1.Text = textBox1.Text;

                this.textBox1.Text=string.Format("Font:{0}",font.Name);

                this.textBox1.Font = font;
```

```
        }

      }

    }

}
```

## 9)colordialog

```
//textbox, colordialog

namespace colordiag

{

  public partial class Form1 : Form

  {

    public Form1()

    {

      InitializeComponent();

    }

    private void textBox1_TextChanged(object sender, EventArgs e)

    {

      if(colorDialog1.ShowDialog() == DialogResult.OK)

      {

        textBox1.BackColor = colorDialog1.Color;


      }

    }

  }

}
```

## 10)Database

```
// database form->label2,Textbox>F_n,L_n,btn1>submit

using System;

using System.Collections.Generic;

using System.Data;
```

```csharp
using System.Linq;

using System.Text;

using System.Windows.Forms;

using System.Drawing;

using System.ComponentModel;

using System.Threading.Tasks;

using System.Data.OleDb;

namespace LoginAccess

{

    public partial class Form1 : Form

    {

        public Form1()

        {

            InitializeComponent();

        }

        private void button1_Click(object sender, EventArgs e)

        {

            OleDbConnection con = new OleDbConnection();

            con.Open();

            con.CommandText = "Insert into Student(F_name,L_name)Values('" + textBox1.Text + "','" +
textBox2.Text + "')";

            con.Connection = con;

            con.ExecuteNonQuery();

            MessageBox.Show("Record submitted successfully");

            con.Close();

        }

    }

}
```