Lecture # 6:

Objective:

- Employee Salary Example
- Exception Handling
- Use of Check Box
  - Coffee Shop Example
- Use of Radio Button
  - Background and Fore color Example

Employee Salary


```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace EmployeeForm
{
    public partial class Form1 : Form
    {
```

```csharp
        float bsal, tax, deduction, nsal, asal;

        public Form1()
        {
            InitializeComponent();
        }

        private void btnCalculate_Click(object sender, EventArgs e)
        {
            if (txtEmpNo.Text == string.Empty)
            {
                MessageBox.Show("Employee Number");
                txtEmpNo.Focus();
            }
            else if (txtName.Text == string.Empty)
            {
                MessageBox.Show("Name");
                txtName.Focus();
            }
            else if (txtSalary.Text == string.Empty)
            {
                MessageBox.Show("Salary");
                txtSalary.Focus();
            }
            else if (txtDeduction.Text == string.Empty)
            {
                MessageBox.Show("Deduction");
                txtDeduction.Focus();
            }
            else
            {
                try
                {
                    bsal = float.Parse(txtSalary.Text);
                    deduction = float.Parse(txtDeduction.Text);
                    tax = float.Parse((bsal * 0.06).ToString());
                    txtTax.Text = tax.ToString();
                    nsal = bsal - deduction - tax;
                    txtNetSalary.Text = nsal.ToString();
                    asal = nsal * 12;
                    txtAnnualSalary.Text = asal.ToString();
                }
                catch (Exception ex)
                {
                    MessageBox.Show(ex.Message);
                }
            }
        }

        private void btnClear_Click(object sender, EventArgs e)
        {
            txtEmpNo.Text = string.Empty;
            txtName.Text = string.Empty;
            txtSalary.Text = string.Empty;
            txtTax.Text = string.Empty;
            txtDeduction.Text = string.Empty;
            txtNetSalary.Text = string.Empty;
```
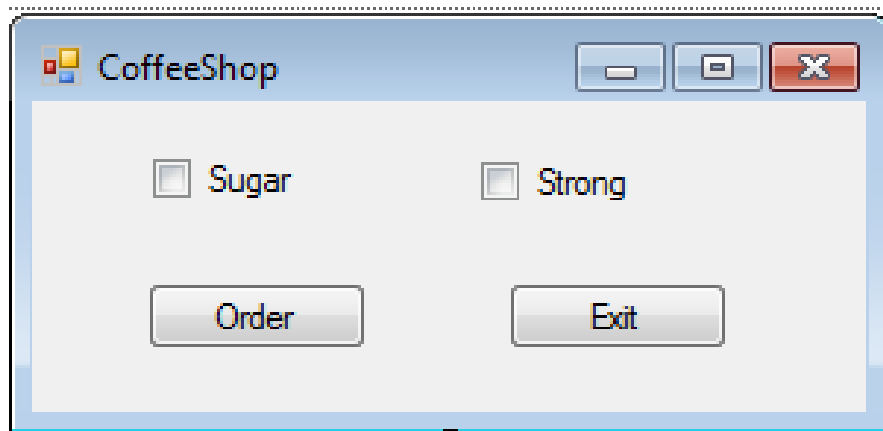
```
                txtAnnualSalary.Text = string.Empty;
        }

        private void btnExit_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }
    }
}
```

Coffee Shop:


```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

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

        private void btnExit_Click(object sender, EventArgs e)
        {
            Application.Exit();
        }

        private void btnOrder_Click(object sender, EventArgs e)
        {
            string strmsg = "Your Order Includes ";
            if (chkbxSugar.Checked)
```

```
            {
                strmsg = strmsg + "Sugar ";
            }
            if (chkbxStrong.Checked)
            {
                strmsg = strmsg + "Strong";
            }
            MessageBox.Show(strmsg);
        }
    }
}
```
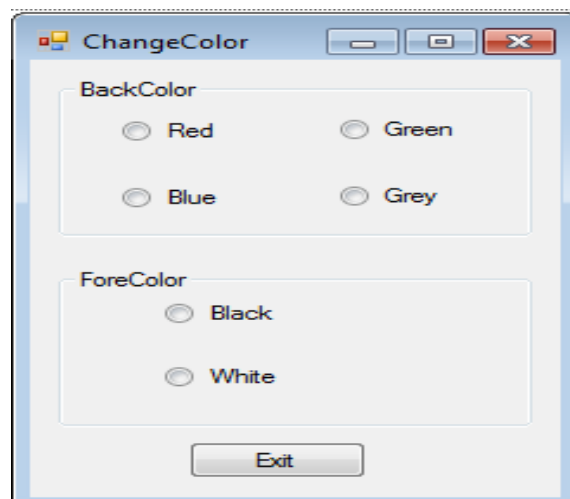
Change Color


```csharp
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

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

        private void btnExit_Click(object sender, EventArgs e)
        {             Application.Exit();          }

        private void rdbtRed_CheckedChanged(object sender, EventArgs e)
        {             this.BackColor = Color.Red;          }

        private void rdbtGreen_CheckedChanged(object sender, EventArgs e)
```

```csharp
                {               this.BackColor = Color.Green;            }

        private void rdbtBlue_CheckedChanged(object sender, EventArgs e)
        {               this.BackColor = Color.Blue;            }

        private void rdbtGrey_CheckedChanged(object sender, EventArgs e)
        {               this.BackColor = Color.Gray;            }

        private void rdbtBlack_CheckedChanged(object sender, EventArgs e)
        {               this.ForeColor = Color.Black;            }

        private void rdbtWhite_CheckedChanged(object sender, EventArgs e)
        {               this.ForeColor = Color.White;            }
    }}
```