

### Startup form.cs 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;

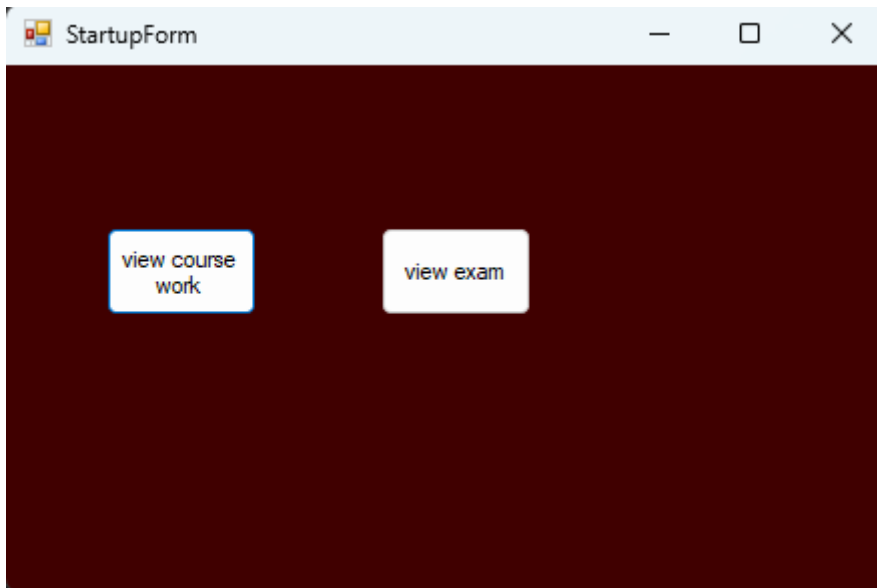
namespace CourseworkResultsApp
{
    public partial class StartupForm : Form
    {
        public StartupForm()
        {
            InitializeComponent();
        }

        private void btnViewCourseworkResults_Click(object sender, EventArgs e)
        {
            // Show ViewCourseworkResultsForm
            var courseworkForm = new ViewCourseworkResultsForm();
            courseworkForm.ShowDialog();
        }

        private void StartupForm_Load(object sender, EventArgs e)
        {
        }

        private void btnViewExamResults_Click(object sender, EventArgs e)
        {
            // Show ViewExamResultsForm
            var examForm = new ViewExamResultsForm();
            examForm.ShowDialog();
        }
    }
}
```

### Startup form.cs design



### View course work results.cs 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 CourseworkResultsApp
{
    public partial class ViewCourseworkResultsForm : Form
    {
        public ViewCourseworkResultsForm()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
        {
        }

        private void Form1_Load_1(object sender, EventArgs e)
        {
        }

        private void btnCalculate_Click(object sender, EventArgs e)
        {
            try
```

```

{
    // Read values from textboxes and calculate the total
    double assignment1 = Convert.ToDouble(textBoxAssignment1.Text);
    double assignment2 = Convert.ToDouble(textBoxAssignment2.Text);
    double assignment3 = Convert.ToDouble(textBoxAssignment3.Text);
    double cat1 = Convert.ToDouble(textBoxCat1.Text);
    double cat2 = Convert.ToDouble(textBoxCat2.Text);

    // Calculate total coursework
    double total = assignment1 + assignment2 + assignment3 + cat1 + cat2;

    // Display the total in the coursework textbox
    textBoxCoursework.Text = total.ToString();
}
catch (FormatException)
{
    MessageBox.Show("Please enter valid numeric values for all fields.", "Input
Error", MessageBoxButtons.OK, MessageBoxIcon.Error);
}
catch (Exception ex)
{
    MessageBox.Show($"An error occurred: {ex.Message}", "Error",
MessageBoxButtons.OK, MessageBoxIcon.Error);
}
}
}
}

```

#### View coursework results.cs design

The screenshot shows a Windows Form titled "Form1" with a dark green background. It contains five input fields for "ass 1", "ass2", "ass3", "cat1", and "cat2" with values 1, 2, 1, 1, and 2 respectively. A "calculate" button is at the bottom left, and a "coursework" label next to an output field showing "3.5" is at the bottom right.

Field	Value
ass 1	1
ass2	2
ass3	1
cat1	1
cat2	2
coursework	3.5

### View exam results.cs 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 CourseworkResultsApp
{
    public partial class ViewExamResultsForm : Form
    {
        public ViewExamResultsForm()
        {
            InitializeComponent();
        }

        private void ViewExamResults_Load(object sender, EventArgs e)
        {
        }

        private void textboxCoursework_TextChanged(object sender, EventArgs e)
        {
            CalculateTotalScore();
        }

        private void textboxFinalExam_TextChanged(object sender, EventArgs e)
        {
            CalculateTotalScore();
        }

        private void CalculateTotalScore()
        {
            try
            {
                // Read values from textboxes and calculate the total score
                double coursework = Convert.ToDouble(textboxCoursework.Text);
                double finalExam = Convert.ToDouble(textboxFinalExam.Text);
                double totalScore = coursework + finalExam;

                // Display the total score in the total score textbox
                textboxTotalScore.Text = totalScore.ToString();
            }
            catch (FormatException)
            {
                // Handle invalid numeric input gracefully
                textboxTotalScore.Text = "Invalid Input";
            }
            catch (Exception ex)
            {
                // Handle any other unexpected errors
                MessageBox.Show($"An error occurred: {ex.Message}", "Error",
                MessageBoxButtons.OK, MessageBoxIcon.Error);
            }
        }
    }
}
```

View\_exam\_results.cs design

The screenshot shows a Windows application window titled "ViewExamResults". The window has a red background and contains three rows of labels and text boxes. The labels are "coursework", "final exam", and "total score". The text boxes contain the values "11", "12", and "23" respectively. The text boxes are white with a black border and are positioned to the right of their respective labels.

coursework	11
final exam	12
total score	23