Gradin...

Total Score

15/20

You scored a 75.00%

Open File   Exit

Gradin...

Total Score

20/20

You scored a 100.00%

Open File   Exit

```csharp
namespace DriversLicenseExam_CalebFontenot
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void exitButton_Click(object sender, EventArgs e)
        {
            this.Close();
        }

        private void openFileButton_Click(object sender, EventArgs e)
        {
            // Create variables
            string[] correctAnswers = new string[20],
                     studentAnswers = new string[20];
            bool[] correctAnswerCompare = new bool[20];
            // Read the file with the correct answers.
            correctAnswers = readFiles("correctAnswers.txt");
            // Now read the file with the student answers.
            if (openFileDialog1.ShowDialog() == DialogResult.OK)
            {
                studentAnswers = readFiles(openFileDialog1.FileName);
            }

            if (correctAnswers != null & studentAnswers != null)
            {
                for (int i = 0; i < correctAnswers.Length; i++)
                {
                    if (correctAnswers[i] == studentAnswers[i])
                    {
                        correctAnswerCompare[i] = true;
                    }
                    else
                    {
                        correctAnswerCompare[i] = false;
                    }
                }
                // Count up the correct answers
                int numCorrect = 0;
                for (int i = 0; i < correctAnswerCompare.Length; i++)
                {
                    if (correctAnswerCompare[i] == true)
                    {
                        numCorrect++;
                    }
                }
                correctAnswersLabel.Text = numCorrect.ToString() + "/20";
                double gradePercentage = (numCorrect / 20.0);
                feedbackLabel.Text = "You scored a " + gradePercentage.ToString("P");
            } else
            {
                MessageBox.Show("Unable to open file(s).");
            }

        }

        private string[] readFiles(string fileName)
        {
            try
```

```csharp
            {
                // Create StreamReader to read the correct answers.
                StreamReader inputFile = File.OpenText(fileName);

                string[] returnStringArray = new string[20];

                int i = 0;
                while (!inputFile.EndOfStream)
                {
                    returnStringArray[i] = inputFile.ReadLine();
                    i++;
                }
                inputFile.Close();

                return returnStringArray;
            } catch
            {
                return null;
            }
        }
    }
}
```