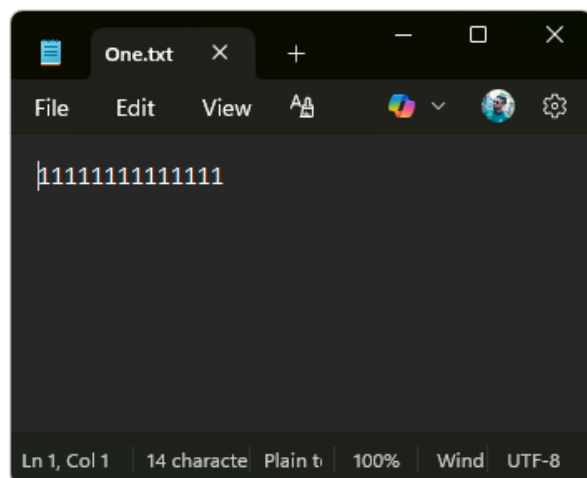
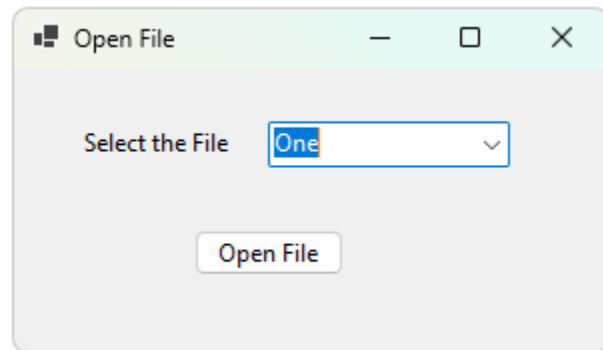
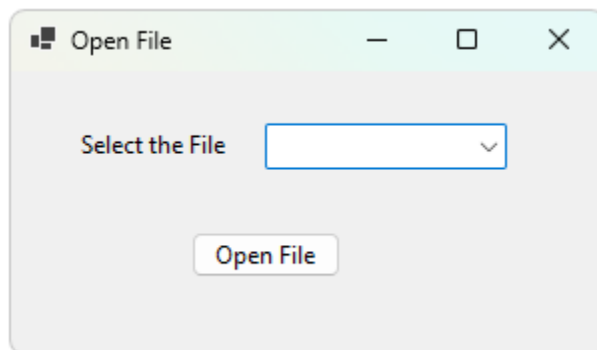
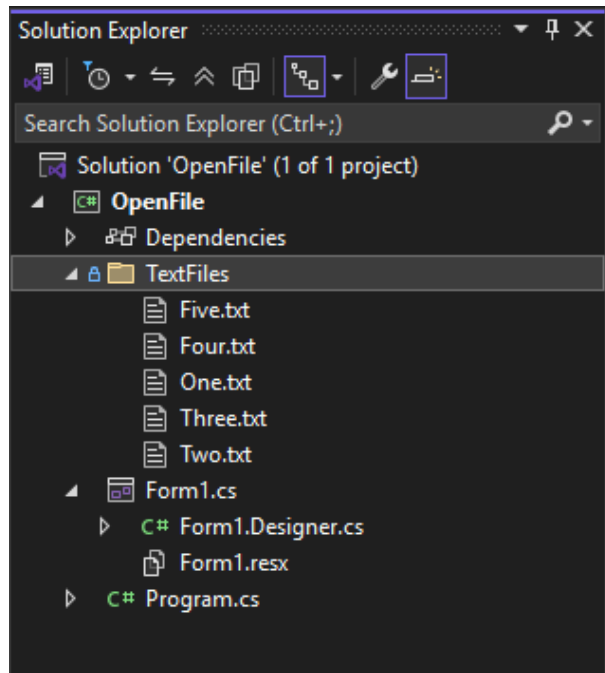


Exercise 1

```

using System.Diagnostics;

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

        private void btnOpenFile_Click(object sender, EventArgs e)
        {
            try
            {
                string file1 = comboBox1.SelectedItem?.ToString();

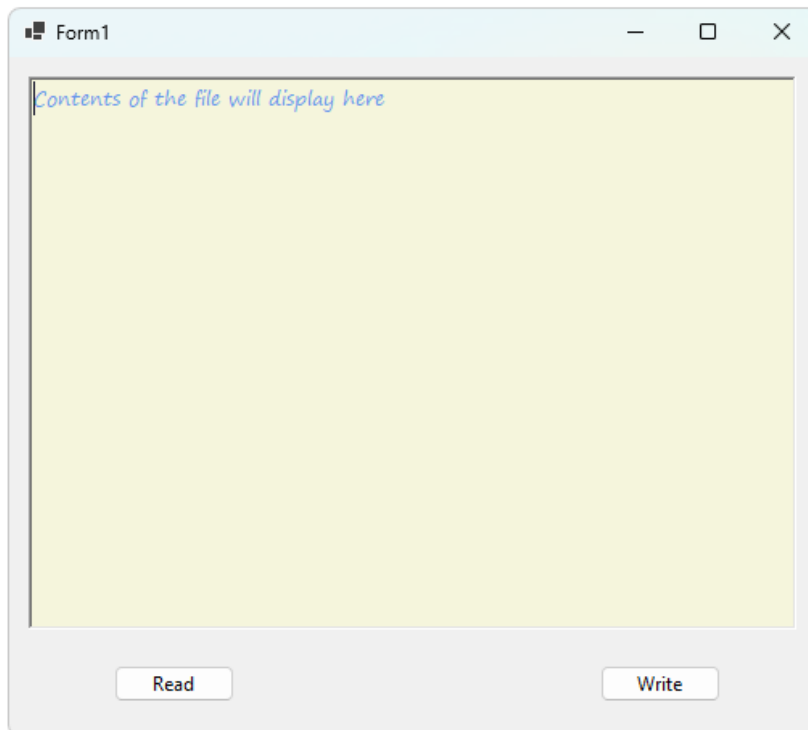
                if (string.IsNullOrEmpty(file1))
                {
                    MessageBox.Show("Please select a file to open");
                    return;
                }

                string filePath = @"D:\(D) Documents\Lessons\Year 03 Sem 01\BECS 31242 -
Visual Programming\Visual Programming Practical Guides\Lab09\OpenFile\TextFiles\" +
file1 + ".txt";

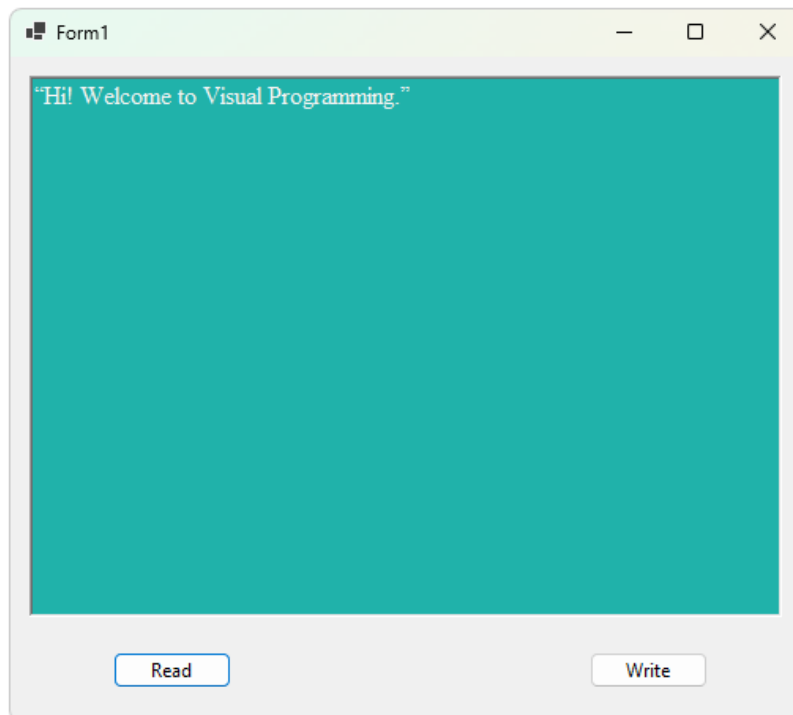
                var psi = new ProcessStartInfo
                {
                    FileName = filePath,
                    UseShellExecute = true
                };

                Process.Start(psi);
            }
            catch (Exception ex)
            {
                MessageBox.Show("Error opening file: " + ex.Message);
            }
        }
    }
}

```

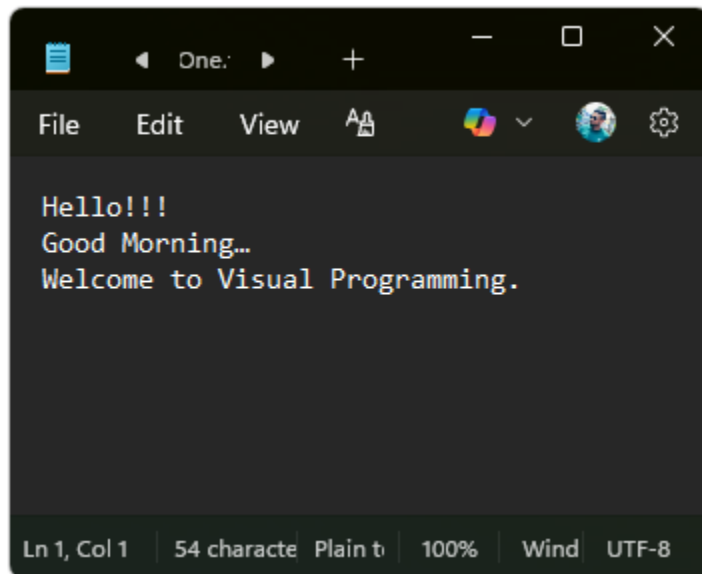
Exercise 2

A screenshot of a Windows Form titled "Form1". The form has a light gray border and standard Windows window controls (minimize, maximize, close) in the top right corner. The main area of the form is a large yellow rectangle. At the top left of this yellow area, the text "Contents of the file will display here" is written in a blue, italicized font. At the bottom of the form, there are two buttons: "Read" on the left and "Write" on the right.



A screenshot of a Windows Form titled "Form1". The form has a light gray border and standard Windows window controls (minimize, maximize, close) in the top right corner. The main area of the form is a large teal rectangle. At the top left of this teal area, the text "Hi! Welcome to Visual Programming." is written in a blue, italicized font. At the bottom of the form, there are two buttons: "Read" on the left and "Write" on the right.

Exercise 3



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

        private void Form1_Load(object sender, EventArgs e)
        {
            richTextBox1.BackColor = Color.Beige;
            richTextBox1.ForeColor = Color.CornflowerBlue;
            richTextBox1.Text = "Contents of the file will display here";
            richTextBox1.Font = new Font("Segoe Print", 9);
        }

        private void btnRead_Click(object sender, EventArgs e)
        {
            try
            {
                richTextBox1.Clear();
                richTextBox1.BackColor = Color.LightSeaGreen;
                richTextBox1.ForeColor = Color.WhiteSmoke;
                richTextBox1.Font = new Font("Times New Roman", 12);

                // Pass the file path and file name to the StreamReader constructor.
                StreamReader sr = new StreamReader("D:\\(D) Documents\\Lessons\\Year 03 Sem
01\\BECS 31242 - Visual Programming\\Visual Programming Practical
Guides\\Lab09\\FileReadWrite\\TextFiles\\Read.txt");

                // Read the first line of text.
                string line = sr.ReadLine();

                // Continue to read until you reach the end of the file.
                while (line != null)
                {
                    // Write the file to the rich text box.
                    richTextBox1.Text = richTextBox1.Text + line + Environment.NewLine;
                }
            }
            catch { }
        }
    }
}
```

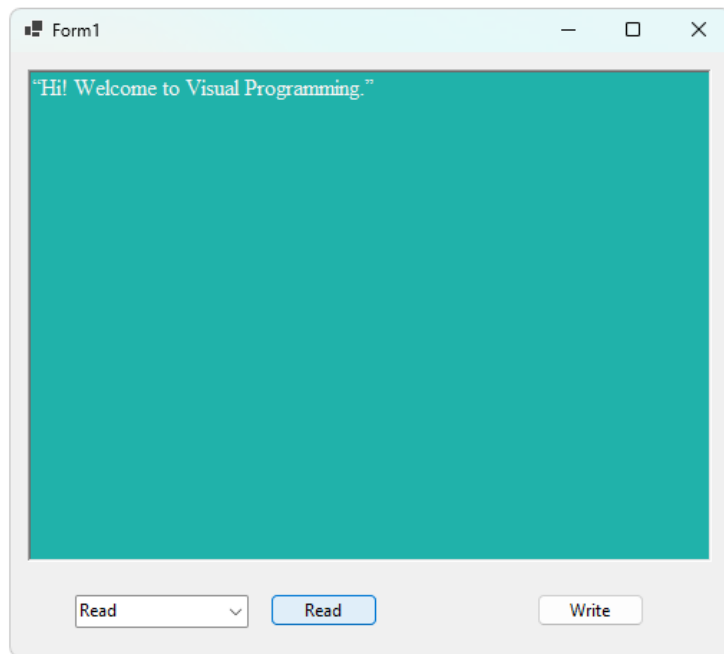
```

        // Read the next line.
        line = sr.ReadLine();
    }

    // Close the file.
    sr.Close();
}
catch (Exception e1)
{
    MessageBox.Show("Exception: " + e1.Message);
}
}

private void btnWrite_Click(object sender, EventArgs e)
{
    {
        try
        {
            //Pass the filepath and filename to the StreamWriter Constructor
            StreamWriter sw = new StreamWriter("D:\\(D) Documents\\Lessons\\Year 03 Sem
01\\BECS 31242 - Visual Programming\\Visual Programming Practical
Guides\\Lab09\\FileReadWrite\\TextFiles\\Write.txt");
            //Write a line of text
            sw.WriteLine("Hello!!!");
            //Write a second line of text
            sw.WriteLine("Good Morning...");
            //Write a third line of text
            sw.WriteLine("Welcome to Visual Programming.");
            //Close the file
            sw.Close();
        }
        catch (Exception e1)
        {
            MessageBox.Show("Exception: " +
            e1.Message);
        }
    }
}
}
}
}
}

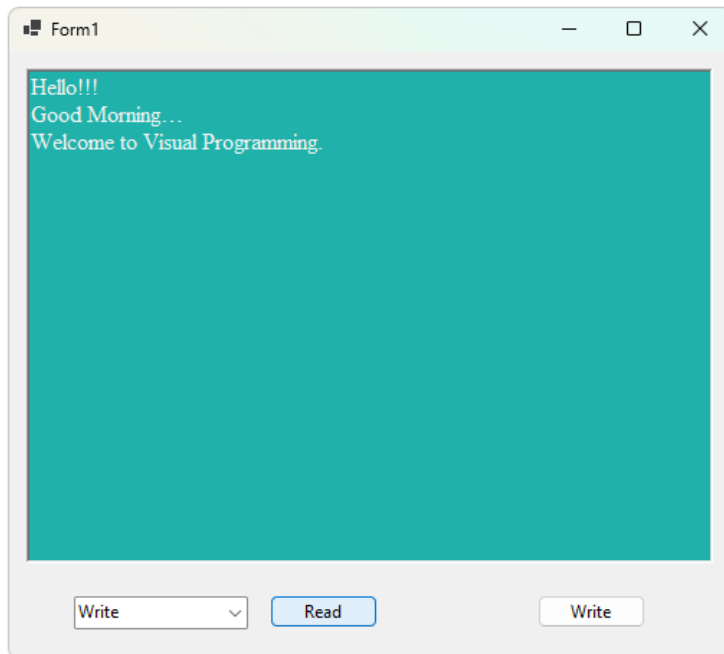
```

Exercise 4

Form1

"Hi! Welcome to Visual Programming."

Read Read Write



Form1

Hello!!!
Good Morning...
Welcome to Visual Programming.

Write Read Write

```

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

        private void Form1_Load(object sender, EventArgs e)
        {
            richTextBox1.BackColor = Color.Beige;
            richTextBox1.ForeColor = Color.CornflowerBlue;
            richTextBox1.Text = "Contents of the file will display here";
            richTextBox1.Font = new Font("Segoe Print", 9);
        }

        private void btnRead_Click(object sender, EventArgs e)
        {
            try
            {
                string file1 = comboBox1.SelectedItem?.ToString();

                if (string.IsNullOrEmpty(file1))
                {
                    MessageBox.Show("Please select a file to open");
                    return;
                }

                richTextBox1.Clear();
                richTextBox1.BackColor = Color.LightSeaGreen;
                richTextBox1.ForeColor = Color.WhiteSmoke;
                richTextBox1.Font = new Font("Times New Roman", 12);

                // Pass the file path and file name to the StreamReader constructor.
                StreamReader sr = new StreamReader("D:\\(D) Documents\\Lessons\\Year 03 Sem 01\\BECS 31242 -
Visual Programming\\Visual Programming Practical Guides\\Lab09\\FileReadWrite\\TextFiles\\" + file1 + ".txt");

                // Read the first line of text.
                string line = sr.ReadLine();

                // Continue to read until you reach the end of the file.
                while (line != null)
                {
                    // Write the file to the rich text box.
                    richTextBox1.Text = richTextBox1.Text + line + Environment.NewLine;

                    // Read the next line.
                    line = sr.ReadLine();
                }

                // Close the file.
                sr.Close();
            }
            catch (Exception e1)
            {
                MessageBox.Show("Exception: " + e1.Message);
            }
        }

        private void btnWrite_Click(object sender, EventArgs e)
        {
            try
            {
                //Pass the filepath and filename to the StreamWriter Constructor
                StreamWriter sw = new StreamWriter("D:\\(D) Documents\\Lessons\\Year 03 Sem 01\\BECS 31242 -
Visual Programming\\Visual Programming Practical Guides\\Lab09\\FileReadWrite\\TextFiles\\Write.txt");
                //Write a line of text
                sw.WriteLine("Hello!!!");
                //Write a second line of text
                sw.WriteLine("Good Morning..");
                //Write a third line of text
                sw.WriteLine("Welcome to Visual Programming.");
                //Close the file
                sw.Close();
            }
        }
    }
}

```

```
        catch (Exception e1)
        {
            MessageBox.Show("Exception: " +
                e1.Message);
        }
    }
}
```