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## PRG521 Group Activity 4

### CODE:

```
using System;
using System.IO;
using System.Windows.Forms;
using System.Text.RegularExpressions;

//Brandon de Bruyn 6954
//Luke de Kiewit 7293
namespace GA6
{
    public partial class Form1 : Form
    {
        public string fileName;
        public Form1()
        {
            InitializeComponent();
        }

        private void b_Browse_Click(object sender, EventArgs e)
        {
            BFiles(); // Calling the BrowseFiles Method
        }

        //Browse Files and save them to t_RBox Method
        public void BFiles()
        {
            OpenFileDialog f_Dialog = new OpenFileDialog
            {
                InitialDirectory = @"C:\",
                Title = "Browse Text Files",

                CheckFileExists = true,
                CheckPathExists = true,

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

```

        FilterIndex = 2,
        RestoreDirectory = true,

        ReadOnlyChecked = true,
        ShowReadOnly = true
    };

    if(f_Dialog.ShowDialog() == DialogResult.OK)
    {
        fileName = f_Dialog.FileName;
        t_RBox.Text = fileName;
    }
}

private void b_Search_Click(object sender, EventArgs e)
{
    try
    {
        if (t_SBox.Text != "")
        {
            SAF();
        }
    }catch
    {
        MessageBox.Show("Lolz");
    }

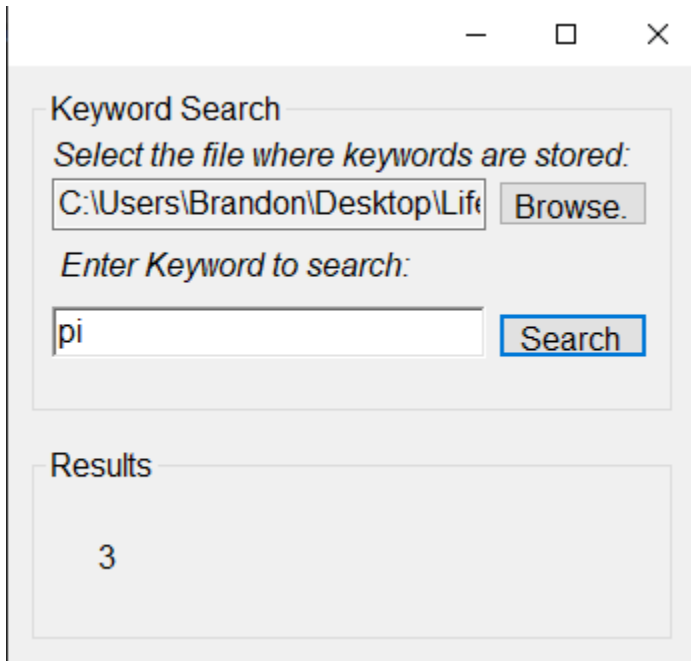
}

// Search and Find i guess, Basically the whole,
// Thing about searching the word and placing it into the Label
public void SAF()
{
    StreamReader oReader;
    if (File.Exists(fileName))
    {
        string cSearforSomething = t_SBox.Text;
        oReader = new StreamReader(fileName);
        string cColl = oReader.ReadToEnd();
        string cCriteria = @"\"b" + cSearforSomething + @"\"b";
        Regex oRegex = new Regex(cCriteria, RegexOptions.IgnoreCase);
    }
}

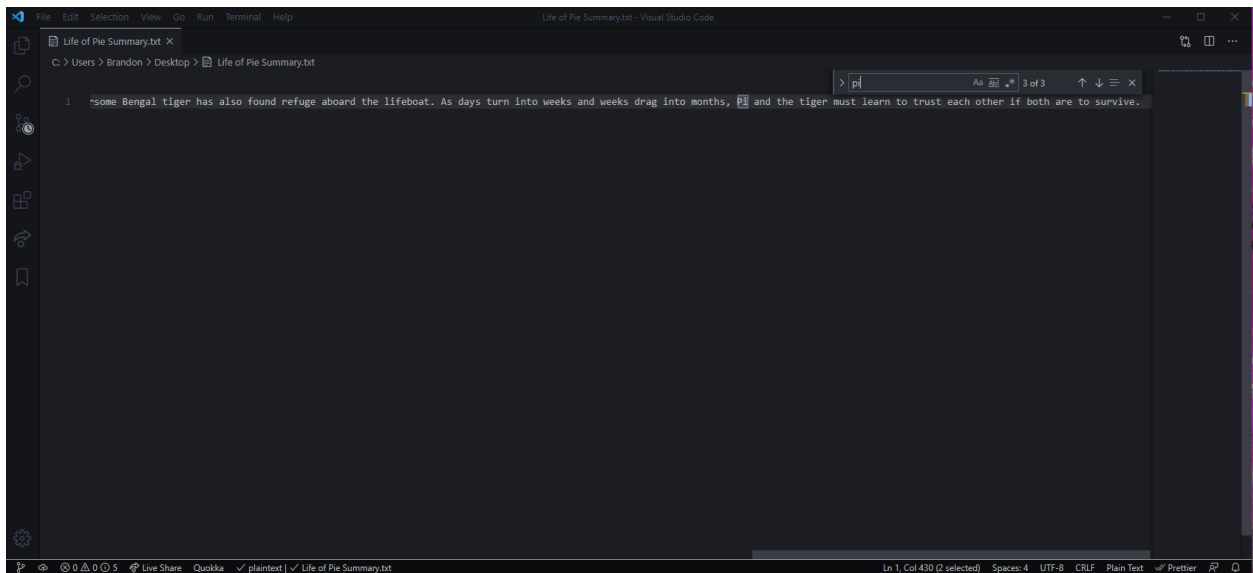
```

```
        int count = oRegex.Matches(cColl).Count;
        l_R.Text = count.ToString();
    }
    else
    {
        throw new Exception();
    }
}
}
```

## SCREENSHOTS:



A screenshot of a desktop application window titled "Keyword Search". The window has a standard Windows title bar with minimize, maximize, and close buttons. Inside the window, there is a section titled "Keyword Search" with the instruction "Select the file where keywords are stored:". Below this, there is a text box containing the file path "C:\Users\Brandon\Desktop\Life" and a "Browse..." button. Further down, there is a section titled "Enter Keyword to search:" with a text box containing the word "pi" and a "Search" button. At the bottom of the window, there is a section titled "Results" which displays the number "3".



A screenshot of the Visual Studio Code editor interface. The editor is open to a file named "Life of Pie Summary.txt". The file content is visible, showing a paragraph of text. The text is: "1. Some Bengal tiger has also found refuge aboard the lifeboat. As days turn into weeks and weeks drag into months, pi and the tiger must learn to trust each other if both are to survive." The word "pi" is underlined. The editor's status bar at the bottom shows "Ln 1, Col 430 (2 selected)", "Spaces: 4", "UTF-8", "CRLF", "Plain Text", and "Prettier".