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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 T05_P03_GUI_Array_Search
{
    public partial class MainForm : Form
    {
        // Create a list of which the size is 10
        const int LIST_SIZE = 10;
        private List<int> randomNumbers = new List<int>(LIST_SIZE);

        public MainForm()
        {
            InitializeComponent();

            // Load ten randomly generated numbers, whose range is [10,99], in the
            randomNumberTextbox.
            private void MainForm_Load(object sender, EventArgs e)
            {
                System.Random random = new System.Random();

                for (int i = 0; i < LIST_SIZE; i++)
                {
                    randomNumbers.Add(random.Next(10, 99));
                }

                foreach (int number in randomNumbers)
                {
                    randomNumberTextbox.Text += $"{number, 4}";
                }
            }

            // When clicking on 'Search' button,
            private void searchButton_Click(object sender, EventArgs e)
            {
                // Declare the index variable and assign it as
                // the value that user types in valueSearchTextbox
                int index = randomNumbers.IndexOf(int.Parse(valueSearchTextbox.Text.Trim()));

                // When the user inputted number is not found in the list,
                if (index == -1)
                {
                    searchResultLabel.Visible = true; // Make the label visible
                    // Show the relevant message beside the button
                    searchResultLabel.Text = $"The value {valueSearchTextbox.Text} was NOT
found.";
                }

                // When the user inputted number is found in the list,
                else
            }
        }
    }
}

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        {
            searchResultLabel.Visible = true;    // Make the label visible
            // Show the relevant message beside the button
            searchResultLabel.Text = $"The value {valueSearchTextbox.Text} was found
at index {index}";
        }
    }
}
```