Lab 02:

Code:

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Text.RegularExpressions;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace CCLab2

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void btnLogicalCheck\_Click(object sender, EventArgs e)

{

string input = txtInput.Text;

string logicalRegex = @"&&|\|\||!";

Match match = Regex.Match(input, logicalRegex);

if (match.Success)

{

lblResult.Text = $"Logical Operator Found: {match.Value}";

}

else

{

lblResult.Text = "No Logical Operator Found";

}

}

private void btnRelationalCheck\_Click(object sender, EventArgs e)

{

string input = txtInput.Text;

string relationalRegex = @"==|!=|<=|>=|<|>";

Match match = Regex.Match(input, relationalRegex);

if (match.Success)

{

lblResult.Text = $"Relational Operator Found: {match.Value}";

}

else

{

lblResult.Text = "No Relational Operator Found";

}

}

}

}

Output:





