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using System;
using System.Linq;
using HtmlAgilityPack;
using System.Windows.Forms;
using Fizzler.Systems.HtmlAgilityPack;
using System.Globalization;
namespace rate
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
            string url = "https://bnb.bg/Statistics/StExternalSector/StExchangeRates/StERForeignCurrencies/index.htm";
            var web = new HtmlWeb();
            var document = web.Load(url);
            var rates = document.DocumentNode.QuerySelectorAll("td:nth-child(4)").ToArray();
            textBox1.Text = rates[28].InnerText; // USD
            textBox2.Text = rates[7].InnerText; // GBP
            textBox3.Text = rates[3].InnerText; // CHF
            double EUR = 1.95583;
            textBox4.Text = EUR.ToString("F5"); // EUR
        }
        private void button1_Click(object sender, EventArgs e)
        {
            double USD;
            USD = double.Parse(textBox1.Text, CultureInfo.InvariantCulture);
            textBox1.Text = USD.ToString("F5");
            double GBP;
            GBP = double.Parse(textBox2.Text, CultureInfo.InvariantCulture);
            textBox2.Text = GBP.ToString("F5");
            double CHF;
            CHF = double.Parse(textBox3.Text, CultureInfo.InvariantCulture);
            textBox3.Text = CHF.ToString("F5");
            double EUR = 1.95583;
            textBox4.Text = EUR.ToString("F5");

            if (comboBox1.Text == "EUR" && comboBox2.Text == "BGN")
            {
                double BGN = double.Parse(textBox5.Text);
                BGN = BGN * EUR;
                textBox6.Text = string.Format("{0:F2}", BGN);
            }
            else if (comboBox1.Text == "USD" && comboBox2.Text == "BGN")

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{
    double BGN = double.Parse(textBox5.Text);
    BGN = BGN * USD;
    textBox6.Text = string.Format("{0:F2}", BGN);
}
else if (comboBox1.Text == "GBP" && comboBox2.Text == "BGN")
{
    double BGN = double.Parse(textBox5.Text);
    BGN = BGN * GBP;
    textBox6.Text = string.Format("{0:F2}", BGN);
}
else if (comboBox1.Text == "CHF" && comboBox2.Text == "BGN")
{
    double BGN = double.Parse(textBox5.Text);
    BGN = BGN * CHF;
    textBox6.Text = string.Format("{0:F2}", BGN);
}
else if (comboBox1.Text == "BGN" && comboBox2.Text == "EUR")
{
    double A = double.Parse(textBox5.Text);
    A = 1 / EUR;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "BGN" && comboBox2.Text == "USD")
{
    double A = double.Parse(textBox5.Text);
    A = 1 / USD;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "BGN" && comboBox2.Text == "GBP")
{
    double A = double.Parse(textBox5.Text);
    A = 1 / GBP;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "BGN" && comboBox2.Text == "CHF")
{
    double A = double.Parse(textBox5.Text);
    A = 1 / CHF;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "EUR" && comboBox2.Text == "USD")
{
    double A = double.Parse(textBox5.Text);
    A = A * EUR / USD;
}
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        textBox6.Text = string.Format("{0:F2}", A);
    }
else if (comboBox1.Text == "EUR" && comboBox2.Text == "GBP")
{
    double A = double.Parse(textBox5.Text);
    A = A * EUR / GBP;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "EUR" && comboBox2.Text == "CHF")
{
    double A = double.Parse(textBox5.Text);
    A = A * EUR / CHF;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "USD" && comboBox2.Text == "EUR")
{
    double A = double.Parse(textBox5.Text);
    A = A * USD / EUR;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "GBP" && comboBox2.Text == "EUR")
{
    double A = double.Parse(textBox5.Text);
    A = A * GBP / EUR;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "CHF" && comboBox2.Text == "EUR")
{
    double A = double.Parse(textBox5.Text);
    A = A * CHF / EUR;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "USD" && comboBox2.Text == "GBP")
{
    double A = double.Parse(textBox5.Text);
    A = A * USD / GBP;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "USD" && comboBox2.Text == "CHF")
{
    double A = double.Parse(textBox5.Text);
    A = A * USD / CHF;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "GBP" && comboBox2.Text == "USD")
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    {
        double A = double.Parse(textBox5.Text);
        A = A * GBP / USD;
        textBox6.Text = string.Format("{0:F2}", A);
    }
else if (comboBox1.Text == "CHF" && comboBox2.Text == "USD")
{
    double A = double.Parse(textBox5.Text);
    A = A * CHF / USD;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "GBP" && comboBox2.Text == "CHF")
{
    double A = double.Parse(textBox5.Text);
    A = A * GBP / CHF;
    textBox6.Text = string.Format("{0:F2}", A);
}
else if (comboBox1.Text == "CHF" && comboBox2.Text == "GBP")
{
    double A = double.Parse(textBox5.Text);
    A = A * CHF / GBP;
    textBox6.Text = string.Format("{0:F2}", A);
}
else
{
    MessageBox.Show("Невалидна комбинация, \низберете различна комбинация валути",
        "Грешка при конбиниране на валути",
        MessageBoxButtons.OK,
        MessageBoxIcon.Error);
}
    textBox6.TextAlign = HorizontalAlignment.Right;
}
private void Form1_Load(object sender, EventArgs e)
{
}
}
}

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