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 Program\_of\_the\_Day

{

 public partial class Form1 : Form

 {

 public Form1()

 {

 InitializeComponent();

 }

 private void buttonProblem1\_Click(object sender, EventArgs e)

 {

 int counter = 105;

 while (counter >= 10)

 {

 counter = counter - 5;

 MessageBox.Show(counter.ToString());

 }

 }

 private void buttonProblem2\_Click(object sender, EventArgs e)

 {

 double num;

 if(double.TryParse(textBoxInput2.Text, out num))

 {

 if (num % 5 == 0)

 {

 MessageBox.Show("Number is divisable by 5.");

 if (num % 10 == 0)

 {

 MessageBox.Show("Number is also divisable by 10.");

 }

 }

 else

 {

 MessageBox.Show("Number is not divisable by 5.");

 }

 }

 else

 {

 textBoxInput2.Focus();

 MessageBox.Show(" Error, please use proper value");

 }

 }

 private void buttonProblem3\_Click(object sender, EventArgs e)

 {

 double num;

 if (double.TryParse(textBoxInput3.Text, out num))

 {

 if (num % 2 == 1)

 {

 MessageBox.Show("Number is Odd.");

 }

 else if (num % 2 == 0)

 {

 MessageBox.Show("Number is Even.");

 }

 else

 {

 textBoxInput3.Focus();

 MessageBox.Show(" Error, please use proper value");

 }

 }

 }

 private void buttonProblem4\_Click(object sender, EventArgs e)

 {

 string name;

 double age;

 double timeUntilVoteAge;

 name = textBox4Name.Text;

 if (double.TryParse(textBox4Age.Text, out age))

 {

 timeUntilVoteAge = 18 - age;

 if (age == 18)

 {

 MessageBox.Show(name + (" you are old enough to vote!"));

 }

 else if (timeUntilVoteAge == 1)

 {

 MessageBox.Show(name + (" you are not old enough to vote, you have ") + timeUntilVoteAge + (" more year until you can vote."));

 }

 else if (timeUntilVoteAge != 1)

 {

 MessageBox.Show(name + (" you are not old enough to vote, you have ") + timeUntilVoteAge + (" more years until you can vote."));

 }

 }

 else

 {

 textBox4Age.Focus();

 MessageBox.Show(" Error, please use proper Age");

 }

 }

 private void buttonProblem5\_Click(object sender, EventArgs e)

 {

 int day;

 if (int.TryParse(textBoxDay5.Text, out day))

 {

 switch (day)

 {

 case 1:

 {

 MessageBox.Show("The day is Sunday");

 break;

 }

 case 2:

 {

 MessageBox.Show("The day is Monday");

 break;

 }

 case 3:

 {

 MessageBox.Show("The day is Tuesday");

 break;

 }

 case 4:

 {

 MessageBox.Show("The day is Wensday");

 break;

 }

 case 5:

 {

 MessageBox.Show("The day is Thursday");

 break;

 }

 case 6:

 {

 MessageBox.Show("The day is Friday");

 break;

 }

 case 7:

 {

 MessageBox.Show("The day is Saturday");

 break;

 }

 default:

 {

 MessageBox.Show("Please enter a number between 1 - 7");

 break;

 textBoxDay5.Focus();

 }

 }

 }

 else

 {

 MessageBox.Show("Please enter a proper value");

 textBoxDay5.Focus();

 textBoxDay5.Clear();

 }

 }

 private void buttonProblem6\_Click(object sender, EventArgs e)

 {

 double num1;

 double num2;

 double num3;

 if (double.TryParse(textBox6Number1.Text, out num1))

 {

 if (double.TryParse(textBox6Number2.Text, out num2))

 {

 if (double.TryParse(textBox6Number3.Text, out num3))

 {

 if(num1 > num2 && num1 > num3)

 {

 MessageBox.Show(num1.ToString() + (" is the Greatest number"));

 }

 else if (num2 > num1 && num2 > num3)

 {

 MessageBox.Show(num2.ToString() + (" is the Greatest number"));

 }

 else if (num3 > num1 && num3 > num2)

 {

 MessageBox.Show(num3.ToString() + (" is the Greatest number"));

 }

 }

 else

 {

 MessageBox.Show("Please enter a proper value for text box 3");

 textBox6Number3.Focus();

 textBox6Number3.Clear();

 }

 }

 else

 {

 MessageBox.Show("Please enter a proper value for text box 2");

 textBox6Number2.Focus();

 textBox6Number2.Clear();

 }

 }

 else

 {

 MessageBox.Show("Please enter a proper value for text box 1");

 textBox6Number1.Focus();

 textBox6Number1.Clear();

 }

 }

 private void buttonProblem7\_Click(object sender, EventArgs e)

 {

 double num;

 num = 16;

 while (num >= 2 )

 {

 num = num - 1;

 MessageBox.Show(num.ToString());

 }

 }

 private void buttonProblem8\_Click(object sender, EventArgs e)

 {

 for(int i = 2; i <= 6; i++)

 {

 for (int h = 2; h <= 6; h++)

 {

 MessageBox.Show(i.ToString() + (" \* ") + h.ToString() + (" = ") + (i\*h) );

 }

 }

 }

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

 {

 this.Close();

 }

 }

}