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();

}

}

}