PROG1017

Memo

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| To: | Cathy Burchill |
| From: | Michelle Boutilier |
| Date: | October 6, 2022 |
| Re: | Lab # 6 |

1. The first problem I had with the lab was getting the tab order to work. I was able to get this to work with the help of the tutor explaining how the group boxes when we looked at the tab order had been mixed up by way I dragged them on the screen.

The next trouble I had was not understanding that when you placed the Picture box and label. I had the thought that a picture box had a label that was part of that tool. That was explained by another student that was incorrect.

The next issue I had was the text box answers – numbers to text. The editor helped me with this.

I had a tutor go over some quick tips like, pinning the program on the text bar. He also encouraged me to keep clean and tidy code. With comments using the ///.\

1. Code

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 Lab2

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

//Name: Michelle Boutilier

//Date: October 5 2022

// Description: This is a multiplier app with a photo app that tells a story, with a message box and a full data details.

/// <summary>

/// This closes the form when user clicks exit.

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

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

{

this.Close();

}

/// <summary>

/// Shows the picture when the user clicks on the button, and hides the data label

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

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

{

picSadie.Visible = true;

lblTopicName.Visible = false;

}

/// <summary>

/// Hide the picture and data label on top of it.

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

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

{

picSadie.Visible = false;

lblTopicName.Visible = true;

lblData.Visible = false;

}

/// <summary>

/// Blank out the number and multiplier textboxes and the answer label

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

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

{

txtNumber.Text = "";

txtMultiplier.Text = "";

lblAnswer.Text = "";

}

/// <summary>

/// This is the story about Sadie and my homework. Will hide picture and Topic label

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

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

{

lblData.Visible=true;

picSadie.Visible=false;

lblData.Text = "My topic is " + lblTopicName.Text + ". \r\n\r\n" +

"I was tossing and turning thinking about my Math assignment while in bed.\r\n\r\n "

+"I decided to get up and work on it instead of trying to solve the answers in my head.\r\n\r\n "

+"I had finished my questions just in time to get the kids up for school. \r\n\r\n "

+"Then I heard ..Bad Sadie.No Paper -Mommmm .. she ate your homework \r\n\r\n ";

}

/// <summary>

/// Displays a message box about the picture, with my name as the title.

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

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

{

MessageBox.Show("My name is Sadie, I ate my mom's homework!","Michelle Boutilier");

}

/// <summary>

/// Declare variables, multiply 2 numbers and display the answer.

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

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

{

int number;

int multiplier;

int answer;

//converting the integer into text

number = Convert.ToInt32(txtNumber.Text);

multiplier = Convert.ToInt32(txtMultiplier.Text);

//we are multiply 2 numbers

answer = number \* multiplier;

lblAnswer.Text = answer.ToString();

}

}

}