**Chadani Shrestha**

[**cshrestha1@stcloudstate.edu**](mailto:cshrestha1@stcloudstate.edu)

**13159448**

**Lab 3– IS 250**

From this lab, I learned to use several types of variable including double and string. First program, I calculated the average and stored them in double type to get the decimal points. In the second program, I learned a lot about strings and storing them to display it to the user in the console application. I also got more knowledge about the console program. In the third program, I learned about characters by doing some research to keep one value. Doing the Form Application, I learned to use the function Visible to hide the textbox and display the label box. I also learned to put text in label programmatically.

**Programs:**

1. Average Field Demo:

class Program

{

static void Main(string[] args)

{

double raceTime1, raceTime2, raceTime3, raceTime4;

double averageTime, totalTime;

Console.Write("Enter the Four Race Time for four Athletes:\n");

Console.Write("Race Time 1 for Athelete 1: ");

raceTime1 = double.Parse(Console.ReadLine());

Console.Write("Race Time 2 for Athelete 2: ");

raceTime2 = double.Parse(Console.ReadLine());

Console.Write("Race Time 3 for Athelete 3: ");

raceTime3 = double.Parse(Console.ReadLine());

Console.Write("Race Time 4 for Athelete 4: ");

raceTime4 = double.Parse(Console.ReadLine());

totalTime = (raceTime1 + raceTime2 + raceTime3 + raceTime4);

averageTime = totalTime/4.0;

Console.WriteLine("\nThe total time for 4 Athelete: " + totalTime);

Console.WriteLine("\nThe average time for 4 Athelete: " + averageTime);

Console.WriteLine("\nThank you for using the program. \nPress any key to Exit.");

Console.ReadKey();

Environment.Exit(0);

}

A screenshot of a computer

Description generated with very high confidence

A screenshot of a cell phone

Description generated with very high confidence

1. Field Demo:

namespace Field\_Demo

{

class Program

{

static void Main(string[] args)

{

string displayName= "John Doe"; //initializing name

Console.WriteLine("\n\nIs this your Name: " + displayName + "?");

Console.Write("\n\nEnter your real name: ");

displayName= Console.ReadLine();

Console.WriteLine("\n\nHi, "+ displayName + "! Thank you for using my program. \nPress a key to exit.");

Console.ReadKey();

Environment.Exit(0);

}

}

}

A screenshot of a computer

Description generated with very high confidence

A screenshot of a cell phone

Description generated with very high confidence

1. String Demo:

*namespace String\_Variable\_Demo*

*{*

class Program

{

static void Main(string[] args)

{

string firstName, lastName;

char middleInitial;

Console.WriteLine("Please input your First Name: ");

firstName = Console.ReadLine();

Console.WriteLine("\nPlease input your Last Name: ");

lastName = Console.ReadLine();

Console.WriteLine("\nPlease input the First Letter of Middle Initial(Eg: W - Wendy): ");

middleInitial = char.Parse(Console.ReadLine());

middleInitial = Char.ToUpper(middleInitial);

Console.WriteLine("Your Full Name: "+ firstName + " "+ middleInitial +". "+ lastName);

Console.ReadKey();

Environment.Exit(0);

}

}

A screenshot of a computer

Description generated with very high confidence

A screenshot of a cell phone

Description generated with high confidence

1. Tab Order Demo:

namespace Tab\_Order\_Demo

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

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

{

cityTextBox.Visible = false;

addressTextBox.Visible = false;

nameTextBox.Visible = false;

zipTextBox.Visible = false;

stateTextBox.Visible = false;

nameLabel.Text = nameTextBox.Text;

addressLabel.Text = addressTextBox.Text;

cityLabel.Text = cityTextBox.Text;

zipLabel.Text = zipTextBox.Text;

stateLabel.Text = stateTextBox.Text;

nameLabel.Visible = true;

stateLabel.Visible = true;

addressLabel.Visible = true;

zipLabel.Visible = true;

cityLabel.Visible = true;

}

private void button1\_Click(object sender, EventArgs e)

{

cityTextBox.Visible = true;

addressTextBox.Visible = true;

nameTextBox.Visible = true;

zipTextBox.Visible = true;

stateTextBox.Visible = true;

cityTextBox.Text = "";

addressTextBox.Text = "";

nameTextBox.Text = "";

zipTextBox.Text= "";

stateTextBox.Text= "";

nameLabel.Visible = false;

stateLabel.Visible = false;

addressLabel.Visible = false;

zipLabel.Visible = false;

cityLabel.Visible = false;

}

}

A screenshot of a computer

Description generated with very high confidence

![A screenshot of a cell phone

Description generated with very high confidence]() ![A screenshot of a cell phone

Description generated with very high confidence]()

![A screenshot of a cell phone

Description generated with very high confidence]()