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1  /*
2  Grading ID : B3051
3  Lab Number: 3
4  Due Date: Sep. 24, 2017
5  Course Number: 199-75
6  Program Info: This program takes an input and calculates the tip amount for each  ↗
   respective percentage.
7  */
8
9  using System;
10 using System.Collections.Generic;
11 using System.ComponentModel;
12 using System.Data;
13 using System.Drawing;
14 using System.Linq;
15 using System.Text;
16 using System.Threading.Tasks;
17 using System.Windows.Forms;
18
19 namespace Lab3
20 {
21     public partial class Form1 : Form
22     {
23
24         double amount = 0; //Amount that the user inputs
25         const double TIPRATELOW = .15; //Lowest Tip Rate (Constant)
26         const double TIPRATEMED = .18; //Middle Tip Rate (Constant)
27         const double TIPRATEHIG = .20; //Highest Tip Rate (Constant)
28         double tipAmountLownum; //output of the calculation for Lowest Tiprate
29         double tipAmountMednum; //output of the calculation for Middle Tiprate
30         double tipAmountHignum; //output of the calculation for Highest Tiprate
31
32         public Form1()
33         {
34             InitializeComponent();
35         }
36
37         //Button click that perform calculations
38         private void calculateTipButton_Click(object sender, EventArgs e)
39         {
40             //Gathers the amount of the meal and assigns it to 'amount'
41             amount = double.Parse(mealAmountTextBox.Text);
42
43             //Does calculations
44             tipAmountLownum = amount * TIPRATELOW;
45             tipAmountMednum = amount * TIPRATEMED;
46             tipAmountHignum = amount * TIPRATEHIG;
47
48             //Creates output
```

```
49         tipLowOutputLabel.Text = $"{tipAmountLownum:c}";
50         tipMediumOutputLabel.Text = $"{tipAmountMednum:c}";
51         tipHighOutputLabel.Text = $"{tipAmountHignum:c}";
52
53     }
54 }
55 }
56
```