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1  //Grading ID: A1340
2  //Lab 3
3  //Due Date: 9/24/2017
4  //CIS-199-01
5  //This Program is used to calculate the tip from the given number from the user  ➤
   for constants of Low, Medium, and High.
6  using System;
7  using System.Collections.Generic;
8  using System.ComponentModel;
9  using System.Data;
10 using System.Drawing;
11 using System.Linq;
12 using System.Text;
13 using System.Threading.Tasks;
14 using System.Windows.Forms;
15
16 namespace Lab3
17 {
18     public partial class Form1 : Form
19     {
20         public Form1()
21         {
22             InitializeComponent();
23         }
24         // Event triggers when button is pressed to calculate the tip of the price ➤
           added in by the user.
25         private void TipButton_Click(object sender, EventArgs e)
26         {
27             double TipRate_Low = 0.15; //constant for Low tip
28             double TipRate_Medium = 0.18; // constant for medium tip
29             double TipRate_High = 0.20; // constant for high tip
30             double MealPrice; //variable for the meal price.
31             double TipAmount_Low; //Variable to help calculate the low tip amount
32             double TipAmount_Medium; //Variable to help calculate the medium tip ➤
               amount
33             double TipAmount_High; //Variable to help calculate the high tip ➤
               amoutn
34             MealPrice = double.Parse(Meal.Text);
35             TipAmount_Low = MealPrice * TipRate_Low;
36             TipAmount_Medium = MealPrice * TipRate_Medium;
37             TipAmount_High = MealPrice * TipRate_High;
38             TipRateLowOutput.Text = $"{TipAmount_Low:C}";
39             TipRateMediumOutput.Text = $"{TipAmount_Medium:C}";
40             TipRateHighOutput.Text = $"{TipAmount_High:C}";
41         }
42     }
43 }
44 }
45
```