using System;

using System.Windows.Forms;

namespace MathQuizApp

{

public partial class MainForm : Form

{

private readonly Random random = new Random();

private int num1, num2;

private int score = 0;

private int totalQuestions = 0;

public MainForm()

{

InitializeComponent();

}

private void MainForm\_Load(object sender, EventArgs e)

{

GenerateQuestion();

}

private void GenerateQuestion()

{

num1 = random.Next(1, 11);

num2 = random.Next(1, 11);

lblNum1.Text = num1.ToString();

lblNum2.Text = num2.ToString();

txtAnswer.Text = string.Empty;

}

private void CheckAnswer()

{

if (int.TryParse(txtAnswer.Text, out int answer))

{

int correctAnswer = num1 + num2;

if (answer == correctAnswer)

{

score++;

lblScore.Text = score.ToString();

}

totalQuestions++;

lblTotalQuestions.Text = totalQuestions.ToString();

GenerateQuestion();

}

else

{

MessageBox.Show("Please enter a valid number.", "Invalid Input", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

}

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

{

CheckAnswer();

}

private void txtAnswer\_KeyDown(object sender, KeyEventArgs e)

{

if (e.KeyCode == Keys.Enter)

{

CheckAnswer();

e.SuppressKeyPress = true;

}

}

}

}