بسم الله الرحمن الرحيم

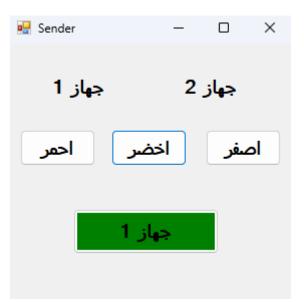
الاسم: محمد نشوان الفقيه

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7	العدد الثالث	7	العدد الثالث
3	الناتج	78	الناتج
اغلاق	حساب	اغلاق	حساب



```
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 HW3
    public partial class Form1 : Form
        public Form1()
            InitializeComponent();
        private void Form1_Load(object sender, EventArgs e)
            txtResult.ReadOnly = true;
        private double PerformOperation(double num1, double num2, string operation)
            switch(operation)
                    return num1 + num2;
                    return num1 - num2;
                    return num1 * num2;
                    return num2 != 0 ? num1 / num2 : double.NaN;
                default:
                    return double.NaN; // عملية غير معروفة
```

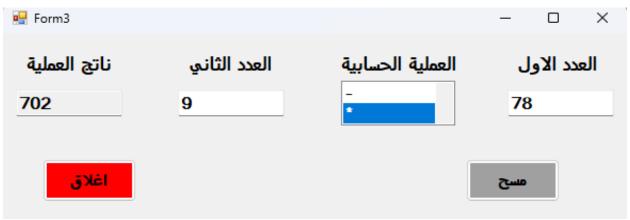
```
private void button1_Click(object sender, EventArgs e)
   double number1, number2, number3;
    string operation1 = txtOperation1.Text;
    string operation2 = txtOperation2.Text;
    double intermediateResult;
    double finalResult;
    if (double.TryParse(txtNumber1.Text, out number1) &&
        double.TryParse(txtNumber2.Text, out number2) &&
       double.TryParse(txtNumber3.Text, out number3))
        if (operation1 == "*" || operation1 == "/")
            intermediateResult = PerformOperation(number1, number2, operation1);
            finalResult = PerformOperation(intermediateResult, number3, operation2);
        else if (operation2 == "*" || operation2 == "/")
            intermediateResult = PerformOperation(number2, number3, operation2);
            finalResult = PerformOperation(number1, intermediateResult, operation1);
            intermediateResult = PerformOperation(number1, number2, operation1);
            finalResult = PerformOperation(intermediateResult, number3, operation2);
        if (double.IsNaN(finalResult))
           MessageBox.Show("حدث خطأ في العملية الحسابية;
            txtResult.Text = finalResult.ToString();
        MessageBox.Show("ميرجى إدخال قيم صعيحة");
private void button2_Click(object sender, EventArgs e)
    this.Close();
```







```
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;
   public partial class Sender : Form
       public Sender()
           InitializeComponent();
       private void traingForSender(object sender, EventArgs e)
           Button buttonSender = sender as Button;
           Label labelSender = sender as Label;
            if (sender is Button)
                if (buttonSender == btnYellow)
                   btnchack.BackColor = Color.Yellow;
               else if (buttonSender == btnRed)
                   btnchack.BackColor = Color.Red;
                   btnchack.BackColor = Color.Green;
           else if (sender is Label)
                if (labelSender.Text == "1 ")
                   btnchack.Text = device1.Text;
                   btnchack.Text = device2.Text;
```





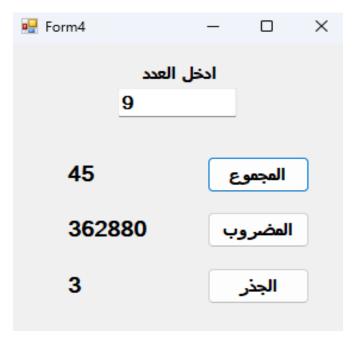
```
. . .
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
    public partial class Form3 : Form
        public Form3()
             InitializeComponent();
        private void Form3_Load(object sender, EventArgs e)
             txtr.ReadOnly = true;
            listBox1.Items.Add("+");
listBox1.Items.Add("-");
             listBox1.Items.Add("*");
            listBox1.Items.Add("/");
```

```
. .
private void Calculation()
       x = Convert.ToDouble(txtn1.Text);
   catch(Exception)
       MessageBox.Show("تحذير" ,"العدد الأول غير صالح", MessageBoxButtons.OK, MessageBoxIcon.
Hand);
       txtn1.Text = "";
       txtn1.Focus();
       return;
       y = Convert.ToDouble(txtn2.Text);
   catch(Exception)
       MessageBox.Show("العدد الثاني غير صالح", MessageBoxButtons.OK,
MessageBoxIcon.Hand);
      txtn2.Focus();
    switch(listBox1.SelectedIndex)
       case 0:
       case 1:
       case 3:
           if(y != 0)
               z = x / y;
              MessageBox.Show("الا يمكن القسمة على صفر");
               txtr.Text = null;
   if(f)
       txtr.Text = z.ToString();
```

```
private void Button1_Click(object sender, EventArgs e)
{
    this.close();
}

private void label2_Click(object sender, EventArgs e)
{
    private void listBox1_SelectedIndexChanged(object sender, EventArgs e)
{
        Calculation();
}

private void Button2_Click(object sender, EventArgs e)
{
        txtn1.Text = txtn2.Text = txtr.Text = null;
}
```





```
. .
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;
    public partial class Form4 : Form
        double x,y;
        public Form4()
            InitializeComponent();
        private void button2_Click(object sender, EventArgs e)
           x = Convert.ToDouble(textBox1.Text);
            label3.Text = y.ToString();
        private void button3_Click(object sender, EventArgs e)
            x = Convert.ToDouble(textBox1.Text);
            y = Math.Sqrt(x);
           label4.Text = y.ToString();
        private void button1_Click(object sender, EventArgs e)
            y= 0;
            x = Convert.ToDouble(textBox1.Text);
            for(int i = 1; i <= x; i++)
           label2.Text = y.ToString();
```