

الطالب/ ايمن شايف عبدالله خالد الادريسي
تكليف برمجه مرئيه أستاذ المقرر / نجم الدين الدغار

////////////////////////////////////

البرنامج الأول

The screenshot shows a Windows application window with the title bar 'اعداد الميرمح ايمن الادريسي'. The window has a light blue border and standard Windows window controls (minimize, maximize, close). The main content area is white and contains three input fields (text boxes) stacked vertically on the left. To the right of these fields are three labels: 'العدد الاول' (The first number), 'العدد الثاني' (The second number), and 'الناتج' (The result). Below these labels and input fields is a large, light gray button with the text 'جمع' (Add) in black. The window is set against a light gray background.

```
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 WindowsFormsApp6
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();

            private void textBox1_KeyPress(object sender, KeyPressEventArgs e)
            {
                Name = "number1";

                if (!char.IsControl(e.KeyChar) && !char.IsDigit(e.KeyChar) && e.KeyChar != '-')
                {
                    e.Handled = true;
                }

                TextBox textBox = (TextBox)sender;

                if(e.KeyChar == '-' && textBox.SelectionStart != 0)
                {
                    e.Handled = true;
                }
            }

            private void number2_KeyPress(object sender, KeyPressEventArgs e)
            {
                Name = "number2";

```

```

        if (!char.IsControl(e.KeyChar) && !char.IsDigit(e.KeyChar) && e.KeyChar != '-')
        {
            e.Handled = true;
        }

        TextBox textBox = (TextBox)sender;
        if (e.KeyChar == '-' && textBox.SelectionStart != 0)
        {
            e.Handled = true;
        }
    }
}

```

```

private void number1_TextChanged(object sender, EventArgs e)
{

}

```

```

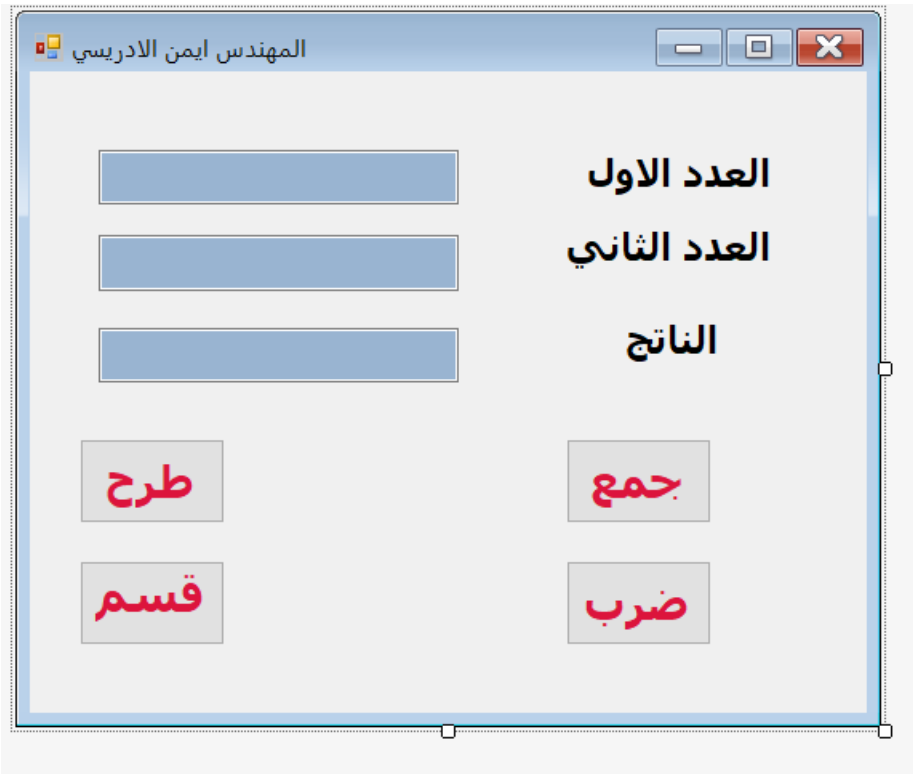
private void button1_Click(object sender, EventArgs e)
{
    if (number1.Text.Trim() == "")
    {
        MessageBox.Show("ادخل العدد الاول");
        number1.Focus();
        return;
    }
    else if (number2.Text.Trim() == "")
    {
        MessageBox.Show("ادخل العدد الثاني");
    }
}

```

```
        number2.Focus();  
        return;  
    }  
    else  
    {  
        result.Text = Convert.ToString((Convert.ToDouble(number1.Text)) +  
(Convert.ToDouble(number2.Text)));  
    }  
  
}  
  
private void result_TextChanged(object sender, EventArgs e)  
{  
    result.ReadOnly = true;  
  
}  
}  
}
```

////////////////////////////////////

البرنامج الثاني



```
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 aymen22  
{  
    public partial class Form1 : Form  
    {  
        public Form1()
```

```
{  
    InitializeComponent();  
}
```

```
private void Form1_Load(object sender, EventArgs e)  
{  
  
}
```

```
private void number1_TextChanged(object sender, EventArgs e)  
{  
  
}
```

```
private void number1_KeyPress(object sender, KeyPressEventArgs e)  
{  
    if (!char.IsControl(e.KeyChar) && !char.IsDigit(e.KeyChar) && e.KeyChar != '-')  
    {  
        e.Handled = true;  
    }  
    TextBox textBox = (TextBox)sender;  
    if (e.KeyChar == '-' && textBox.SelectionStart != 0)  
    {  
        e.Handled = true;  
    }  
}
```

```
private void number2_KeyPress(object sender, KeyPressEventArgs e)
```

```

{
    if (!char.IsControl(e.KeyChar) && !char.IsDigit(e.KeyChar) && e.KeyChar != '-')
    {
        e.Handled = true;
    }
    TextBox textBox = (TextBox)sender;
    if (e.KeyChar == '-' && textBox.SelectionStart != 0)
    {
        e.Handled = true;
    }
}

```

```

private void result_TextChanged(object sender, EventArgs e)
{
    result.ReadOnly = true;
}

```

```

public void operations(char operand)
{
    if (number1.Text.Trim() == "")
    {
        MessageBox.Show("ادخل العدد الاول");
        number1.Focus();
        return;
    }
    else if (number2.Text.Trim() == "")
    {

```

```
    MessageBox.Show("ادخل العدد الثاني");
    number2.Focus();
    return;
}
else
{
    switch (operand)
    {
        case '+':
            result.Text = Convert.ToString((Convert.ToDouble(number1.Text)) +
            (Convert.ToDouble(number2.Text)));
            break;
        case '-':
            result.Text = Convert.ToString((Convert.ToDouble(number1.Text)) -
            (Convert.ToDouble(number2.Text)));
            break;
        case '*':
            result.Text = Convert.ToString((Convert.ToDouble(number1.Text)) *
            (Convert.ToDouble(number2.Text)));
            break;
        case '/':
            if (Convert.ToDouble(number2.Text) != 0)
            {
                result.Text = Convert.ToString((Convert.ToDouble(number1.Text)) /
            (Convert.ToDouble(number2.Text)));
            }
            else
            {

```



```
        MessageBox.Show("لا يمكن القسمة على الصفر", "error",  
        MessageBoxButtons.OKCancel, MessageBoxIcon.Stop);
```

```
    }
```

```
        break;
```

```
    }
```

```
}
```

```
}
```

```
private void button1_Click(object sender, EventArgs e)
```

```
{
```

```
    operations('+');
```

```
}
```

```
private void subtract_Click(object sender, EventArgs e)
```

```
{
```

```
    operations('-');
```

```
}
```

```
private void multi_Click(object sender, EventArgs e)
```

```
{
```

```
    operations('*');
```

```
}
```

```
private void division_Click(object sender, EventArgs e)
```

////////////////////////////////////

المهندس ايمن الادرسي

العدد الاول

العدد الثاني

الناتج

=

null

+

-

*

/

حذف

اغلق

```
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 aymen22
```

```
{
```

```
    public partial class Form1 : Form
```

```
    {
```

```
        public Form1()
```

```
        {
```

```
            InitializeComponent();
```

```
        }
```

```
        private void Form1_Load(object sender, EventArgs e)
```

```
        {
```

```
        }
```

```
        private void number1_TextChanged(object sender, EventArgs e)
```

```
        {
```

```
        }
```

```
        private void number1_KeyPress(object sender, KeyPressEventArgs e)
```

```
        {
```

```
            if (!char.IsControl(e.KeyChar) && !char.IsDigit(e.KeyChar) && e.KeyChar != '-')
```

```
            {
```

```
                e.Handled = true;
```

```
            }
```

```
            TextBox textBox = (TextBox)sender;
```

```
            if (e.KeyChar == '-' && textBox.SelectionStart != 0)
```

```
            {
```

```
        e.Handled = true;
    }
}
```

```
private void number2_KeyPress(object sender, KeyPressEventArgs e)
{
    if (!char.IsControl(e.KeyChar) && !char.IsDigit(e.KeyChar) && e.KeyChar != '-')
    {
        e.Handled = true;
    }
    TextBox textBox = (TextBox)sender;
    if (e.KeyChar == '-' && textBox.SelectionStart != 0)
    {
        e.Handled = true;
    }
}
```

```
private void result_TextChanged(object sender, EventArgs e)
{
    result.ReadOnly = true;
}
```

```
public void operations(char operand)
{
    if (number1.Text.Trim() == "")
    {
        MessageBox.Show("ادخل العدد الاول");
    }
}
```

```
        number1.Focus();  
        return;  
    }  
    else if (number2.Text.Trim() == "")  
    {  
        MessageBox.Show("ادخل العدد الثاني");  
        number2.Focus();  
        return;  
    }  
    else  
    {  
        switch (operand)  
        {  
            case '+':  
                result.Text = Convert.ToString((Convert.ToDouble(number1.Text)) +  
                (Convert.ToDouble(number2.Text)));  
                break;  
            case '-':  
                result.Text = Convert.ToString((Convert.ToDouble(number1.Text)) -  
                (Convert.ToDouble(number2.Text)));  
                break;  
            case '*':  
                result.Text = Convert.ToString((Convert.ToDouble(number1.Text)) *  
                (Convert.ToDouble(number2.Text)));  
                break;  
            case '/':  
                if (Convert.ToDouble(number2.Text) != 0)  
                {
```

```
        result.Text = Convert.ToString((Convert.ToDouble(number1.Text)) /
(Convert.ToDouble(number2.Text)));
    }
    else
    {
        MessageBox.Show("لا يمكن القسمة على الصفر", "error",
        MessageBoxButtons.OKCancel, MessageBoxIcon.Stop);
    }

    break;
}
```

```
    }
}
```

```
private void button1_Click(object sender, EventArgs e)
{
    lab2.Text = "+";
    operations('+');
}
```

```
private void subtract_Click(object sender, EventArgs e)
{
    lab2.Text = "-";
    operations('-');
}
```

```
private void multi_Click(object sender, EventArgs e)
{
    lab2.Text = "*";
    operations('*');
}
```

```
private void division_Click(object sender, EventArgs e)
{
    lab2.Text = "/";
    operations('/');
}
```

```
private void button2_Click(object sender, EventArgs e)
{
    number1.Clear();
    number2.Clear();
    result.Clear();
    lab2.Text = "null";

}
```

```
private void del_Click(object sender, EventArgs e)
{
    this.Close();
}

}
```