

BỘ GIÁO DỤC VÀ ĐÀO TẠO

ĐẠI HỌC DUY TÂN

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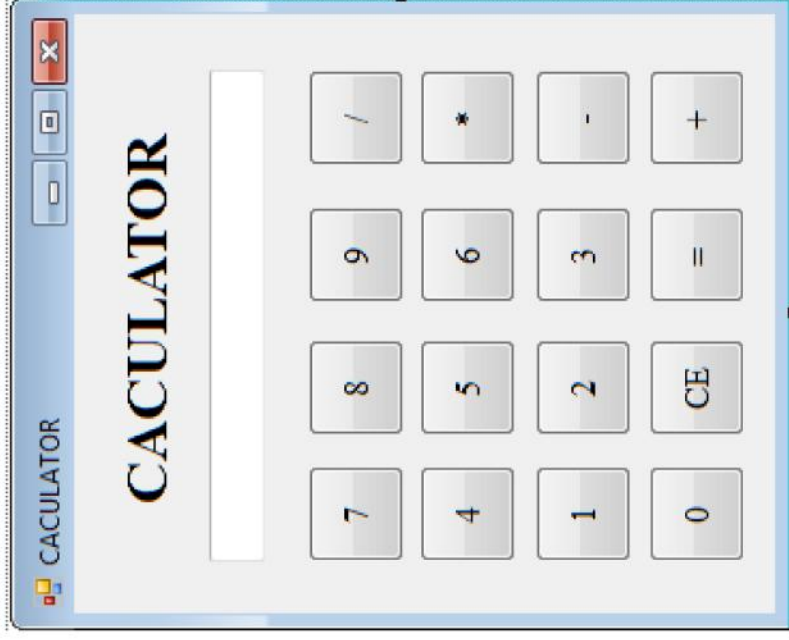
BÀI THỰC HÀNH

PHẦN 3 WINDOWFORM

Lập Trình Winforms: VB.NET / C#.NET

GIẢNG VIÊN: PHẠM VĂN DƯỠC

ĐÀ NẴNG 08/2014



```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
namespace caculator{
    public partial class Form1 : Form{
```

```

//-----
public Form1() {
    InitializeComponent();
}
//-----
private void button_7_Click(object sender, EventArgs e) {
    this.textBox.Text = this.textBox.Text + this.button_7.Text;
}
//-----
private void button_0_Click(object sender, EventArgs e) {
    this.textBox.Text = this.textBox.Text + this.button_0.Text;
}
//-----
private void button_1_Click(object sender, EventArgs e) {
    this.textBox.Text = this.textBox.Text + this.button_1.Text;
}
//-----
private void button_2_Click(object sender, EventArgs e) {
    this.textBox.Text = this.textBox.Text + this.button_2.Text;
}
//-----
private void button_3_Click(object sender, EventArgs e) {
    this.textBox.Text = this.textBox.Text + this.button_3.Text;
}
//-----
private void button_4_Click(object sender, EventArgs e) {
    this.textBox.Text = this.textBox.Text + this.button_4.Text;
}
//-----
private void button_5_Click(object sender, EventArgs e) {
    this.textBox.Text = this.textBox.Text + this.button_5.Text;
}
//-----
private void button_6_Click(object sender, EventArgs e) {
    this.textBox.Text = this.textBox.Text + this.button_6.Text;
}

```

```

}
//-----
private void button_8_Click(object sender, EventArgs e){
    this.textBox.Text = this.textBox.Text + this.button_8.Text;
}
//-----
private void button_9_Click(object sender, EventArgs e){
    this.textBox.Text = this.textBox.Text + this.button_9.Text;
}
//-----
So Number = new So(0,0);
string sig = "";
//-----
private void button_sum_Click(object sender, EventArgs e){
    if (sig == "") Number.A = double.Parse(this.textBox.Text);
    sig = "+";
    this.textBox.Clear();
}
//-----
private void button_div_Click(object sender, EventArgs e){
    if (sig == "") Number.A = double.Parse(this.textBox.Text);
    sig = "/";
    this.textBox.Clear();
}
//-----
private void button_mul_Click(object sender, EventArgs e){
    if (sig == "") Number.A = double.Parse(this.textBox.Text);
    sig = "*";
    this.textBox.Clear();
}
//-----
private void button_sub_Click(object sender, EventArgs e){
    if (sig == "") Number.A = double.Parse(this.textBox.Text);
    sig = "-";
    this.textBox.Clear();
}

```

```

}
//-----
private void button_equa_Click(object sender, EventArgs e){
    Number.B = double.Parse(this.textBox.Text);
    switch (sig) {
        case "+": Number.Sum();
            break;
        case "-": Number.Sub();
            break;
        case "*": Number.Mul();
            break;
        case "/":
            if (Number.B != 0) Number.Div();
            else{
                this.textBox.Text = "Invalid";
                MessageBox.Show("Division by zero !!!", "Invalid data",
                    MessageBoxButtons.OK, MessageBoxIcon.Error);
            }
            this.button_ce_Click(this, e);
        }
        break;
    }
    this.textBox.Text = Number.C.ToString();
}
//-----
private void button_ce_Click(object sender, EventArgs e)
{
    Number.A = Number.B = 0;
    sig = "";
    this.textBox.Clear();
}
//-----
}
class So{
    private double a;
    private double b;
}

```

```

private double c;
//-----
public So(double a, double b){
    this.a = a; this.b = b;
}
//-----
public double A{
    get { return this.a; }
    set { this.a = value; }
}
//-----
public double B{
    get { return this.b; }
    set { this.b = value; }
}
//-----
public double C{
    get { return this.c; }
}
//-----
public double Sum(){
    return c = a + b;
}
//-----
public double Sub(){
    return c = a - b;
}
//-----
public double Mul(){
    return c = a * b;
}
//-----
public double Div(){
    return c = a / b;
}

```



```
//-----
```

```
}
```

Bài 5:

Sinh viên thiết kế và thực hiện chương trình máy tính bỏ túi như giao diện sau:

