Windows Programming Tutorial

- Start MS Visual Studio by clicking your Start menu, then clicking All Programs > Microsoft Visual Studio 2008 (Choose 2010 if available).
- Click File menu and select New > Project You see the following New Project window.

New Project				? 🛛		
Project types:		Templates:	.NET Framework 3.5	v 🔚		
Project types: Visual C++ Other Languages Visual Basic Visual C# Visual C# Visual C# Visual C# Office Office Office Office Catabase Reporting Test VCF WOrkflow Other Project Types Test Projects		Visual Studio installed temp	lates Class Library WPF Browser Application Empty Project WPF Custom Control Library Windows Forms Control Librar	ry		
A project for creating an application with a Windows Forms user interface (.NET Framework 3.5)						
<u>N</u> ame:	GradeCalculator					
Location:	C:\Documents and Settings\yzhang\					
Solution Name:	Solution Name: GradeCalculator Create directory for su		Create directory for solution			
			ОК	Cancel		

- In the left panel Project types, expand Visual C# and select Windows
- In the right panel Templates, select Windows Forms Application
- In the text box Name, type a name for the project
- In the text box Location, select a directory you want to create this project
- Click OK

You should see the following window with an empty form.

🥙 GradeCalculator - Microsoft Visual Studio						
File Edit View Project Build Debug Data Tools Test Window Help						
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Soution Explorer - GradeCa V # X Form1.cs [Design] Start Page						
	Pointer					
Solution Grade Calculator (1 project	BackgroundWorker					
B → G Properties	P BindingNavigator					
B- Carl References	🖓 BindingSource					
	ab Button					
- E Plogrames	CheckBox					
	😰 CheckedListBox					
	🔀 ColorDialog					
	ComboBox					
	ContextMenuStrip					
	🚰 DataGridView					
	📴 DataSet					
	DateTimePicker					
	5 DirectoryEntry					
	👯 DirectorySearcher					
U	DomainUpDown					
	ErrorProvider					
	EventLog					
	FileSystemWatcher					
	FlowLayoutPanel					
	FolderBrowserDialog					
	A Label					
	A LinkLabel					
Reg Class Reproperties the second s	► ListBox					
Output	232 ListView					
show output from:	- MaskedTextBox					
	🖹 MenuStrip					
	MessageQueue					
	MonthCalendar					
	wifyIcon					
	1 NumericUpDown					
	CpenFileDialog					
Code Definition Window 20 Call Browser 🔄 Output	PageSetupDialog					
Ready						

- In the Toolbox, drag a Label and a textbox to the form. If the Toolbox doesn't show up, click View menu and select Toolbox.
- Select the Label in the form, in the Properties Window, type "Homework" as the value of the Text field for the Label.
- Select the Textbox in the form, in the Properties Window, type "txb1" as the value of the (Name) field for the Label.
- Add a button with (Name) called "Calculate" and a textbox with the (Name) called "result"
- Repeat the two steps above for other labels, textboxes, and button.
- Double click the button, insert event handler program there.

```
private void button1_Click(object sender, EventArgs e)
{
    int sum;
    sum = Convert.ToDouble(txb1.Text) +
    Convert.Double(txb2.Text);
    result.Text = sum.ToString();
}
```

- Click Build menu > Build Solution
- Click Debug menu > Start without debugging.

A window pops up and allow the user to enter data for processing.

Properties						
hw System.Windows.Forms.Label						
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	Locked	False	^			
Ð	Margin	3, 0, 3, 0				
Ð	MaximumSize	0, 0				
Ð	MinimumSize	0, 0				
	Modifiers	Private				
Ð	Padding	0, 0, 0, 0				
	RightToLeft	No				
Ð	Size	58, 13				
	TabIndex	0				
	Tag		-			
	Text	Homework				
	TextAlign	TopLeft				
	LiceCompatibleT	Falco	~			
(Name) Indicates the name used in code to identify the object.						

💀 Form1		
Homework	45	
Programming	23	
Calculate	68	