

Exercise 1. Object Properties and Event Procedures

1.1 Launch Visual Basic Studio 2008, and create a project (Project name is Lab3)

1.2 Add the following controls (See Figure. 1) and define the properties in the Properties Window: (Use VB.Net prefix notation)

<u>Control</u>	<u>Property</u>	<u>Value</u>
Form	Text	Lab 3
Label	Name	lblPrefix
	Text	Prefix
	Font	Courier New 12
Label	Town	lblControlName
	Text	ControlName
	Font	Courier New 12
Text Box	Name	txtPrefix
Text Box	Name	txtControlName
List Box	Name	lstPrint
Button 1	Name	btnRed
	Text	Print Red
Button 2	Name	btnBlue
	Text	Print Blue
Button 3	Name	btnClearTextBox
	Text	Clear TextBoxes
Button 4	Name	btnClearListBox
	Text	Clear ListBox

1.3 Event Procedure : To code an event procedure the user must bring up the code window. The easiest way is to double-click on any control (to change properties of the form, double click the form itself).

2.2.1 : Code the procedure for btnRed

When it is clicked, print prefix and control name in Red

Hint: You need to use addition symbol (+) to combine two words together
e.g. txtPrefix.Text + txtControlName.Text

Hint: Read p.60~62 to find out how to change the foreground color of a listBox

2.2.2 : Code the procedure for btnBlue

When it is clicked, print prefix and control name in Blue

2.2.3 : Code the procedure for btnRegular

When it is clicked, clear two textBoxes

2.2.4 : Code the procedure for btnClear

When it is clicked, (1) clear the listBox

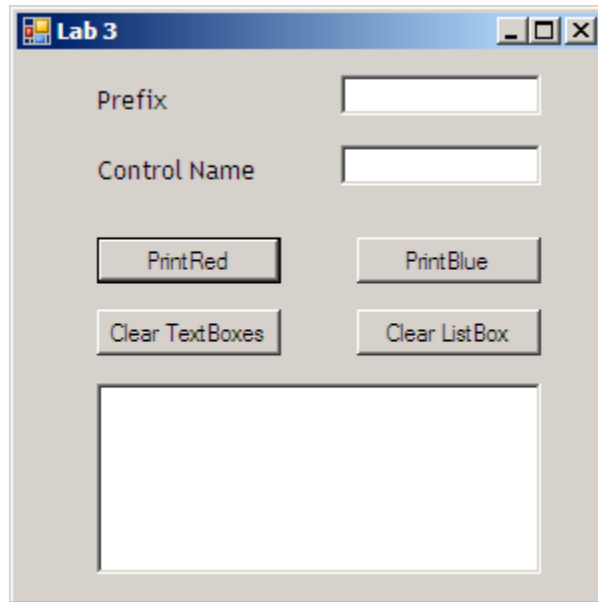


Figure 1

Exercise 2. Event Procedures and Math Operations

1. You will need to replicate the form shown in Figure 1. Take note of the following:

- * All labels use a Courier New font type with a point size of 12.
- * All command buttons use Courier New font, 12 point.
- * Use the appropriate prefixes when naming controls (e.g. `lbl txt`)

2. Your user interface and program should provide for the following:

- 4.1 Allow two numbers (A,B) to be entered in text boxes
- 4.2 ADD the two numbers and display the result in the List box
- 4.3 MULTIPLY two numbers and display the result in the List box
- 4.4 When an arithmetic operation is performed (either ADD or MULTIPLY) then
 - The command button should display red as foreground color
 - Only the button for the last operation should display red color
- 4.5 The Clear button should do the following:
 - Clear all text boxes and the list box
 - Reset any changed color properties to the original settings (Black)
 - Place the focus back in the A text box

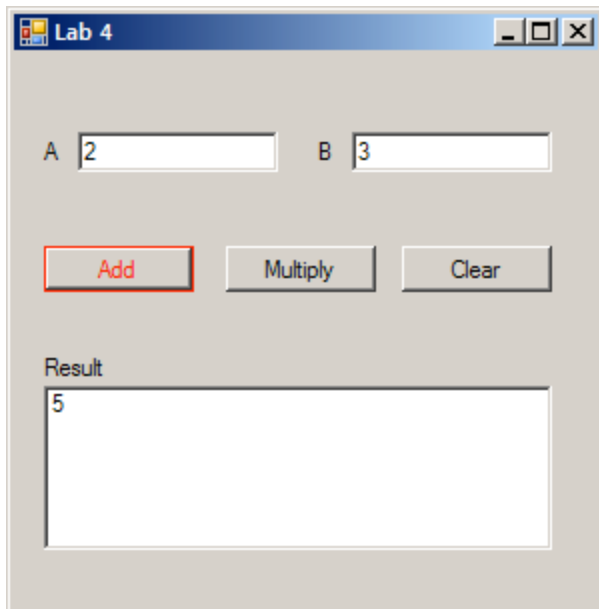


Figure1

Exercise 3. File operation and Listbox

1. Download GROWTH.TXT and save it under C:\
2. Read data from the file and display the following items in the Listbox.

