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COMPUTER PROGRAMMING

Have a Fun Start with Visual Basic (VB)

by
LIM KAR SING

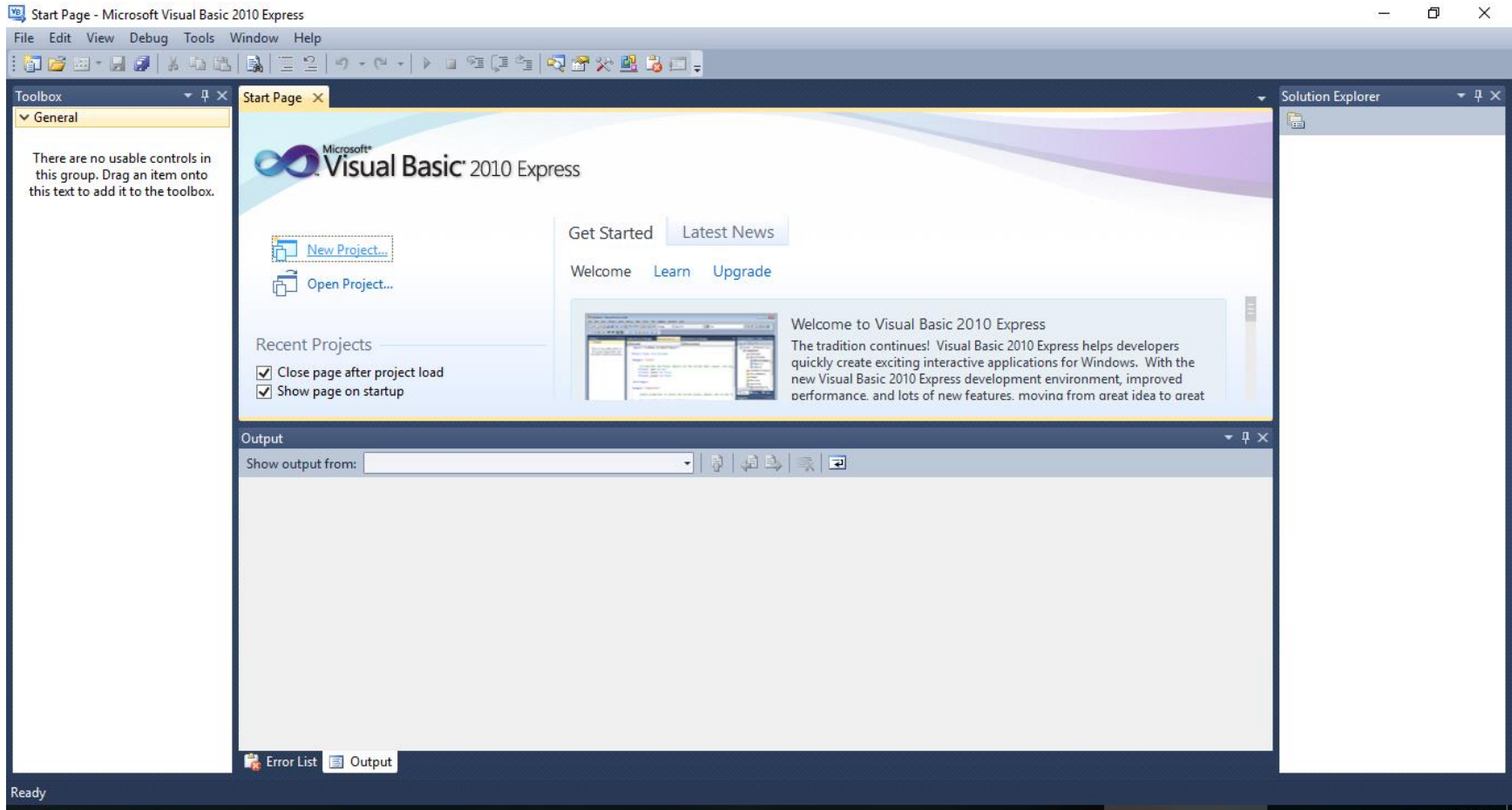
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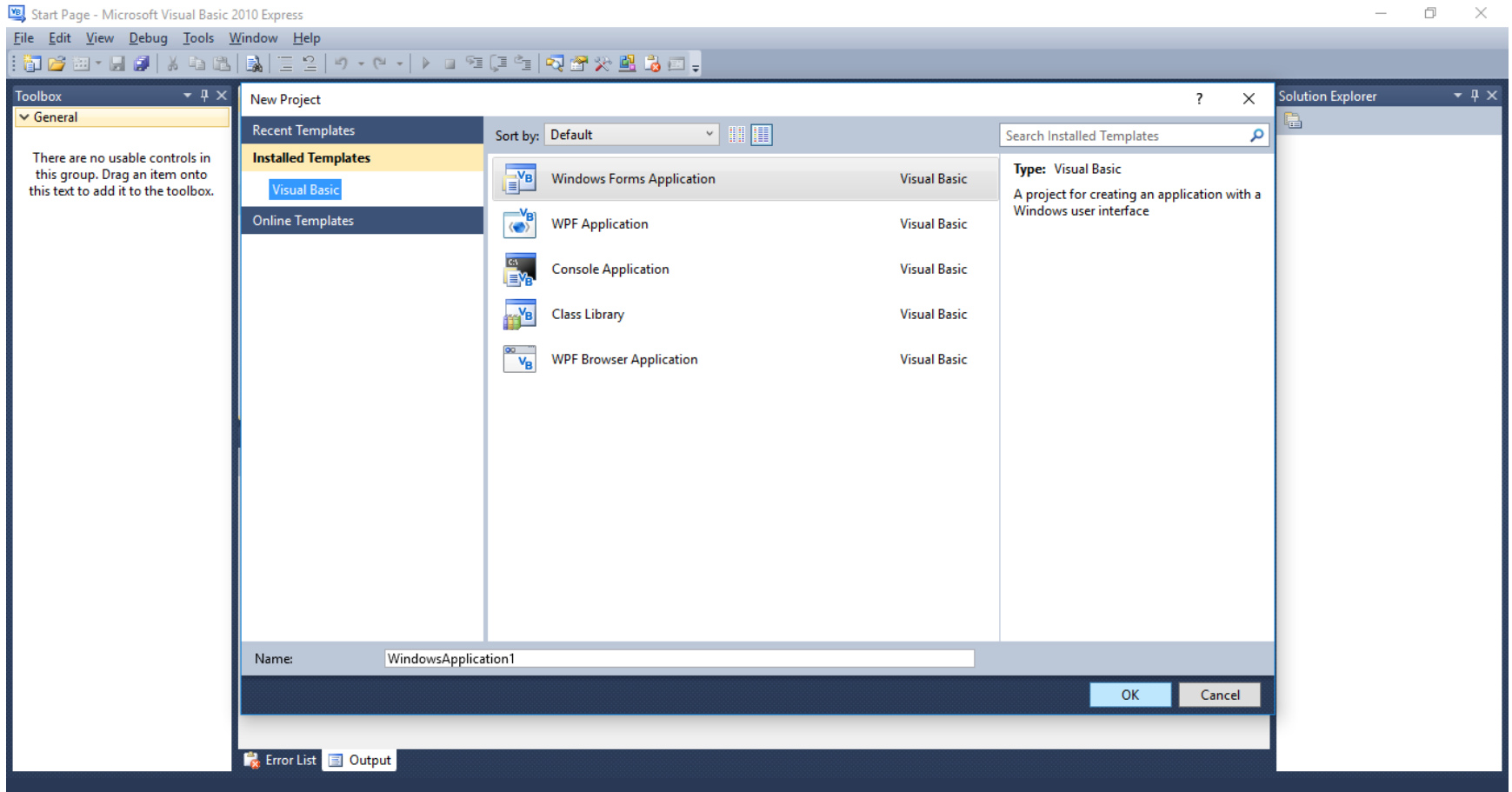
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Welcome to computer programming class. We are using **Visual Basic (VB)** as the programming language



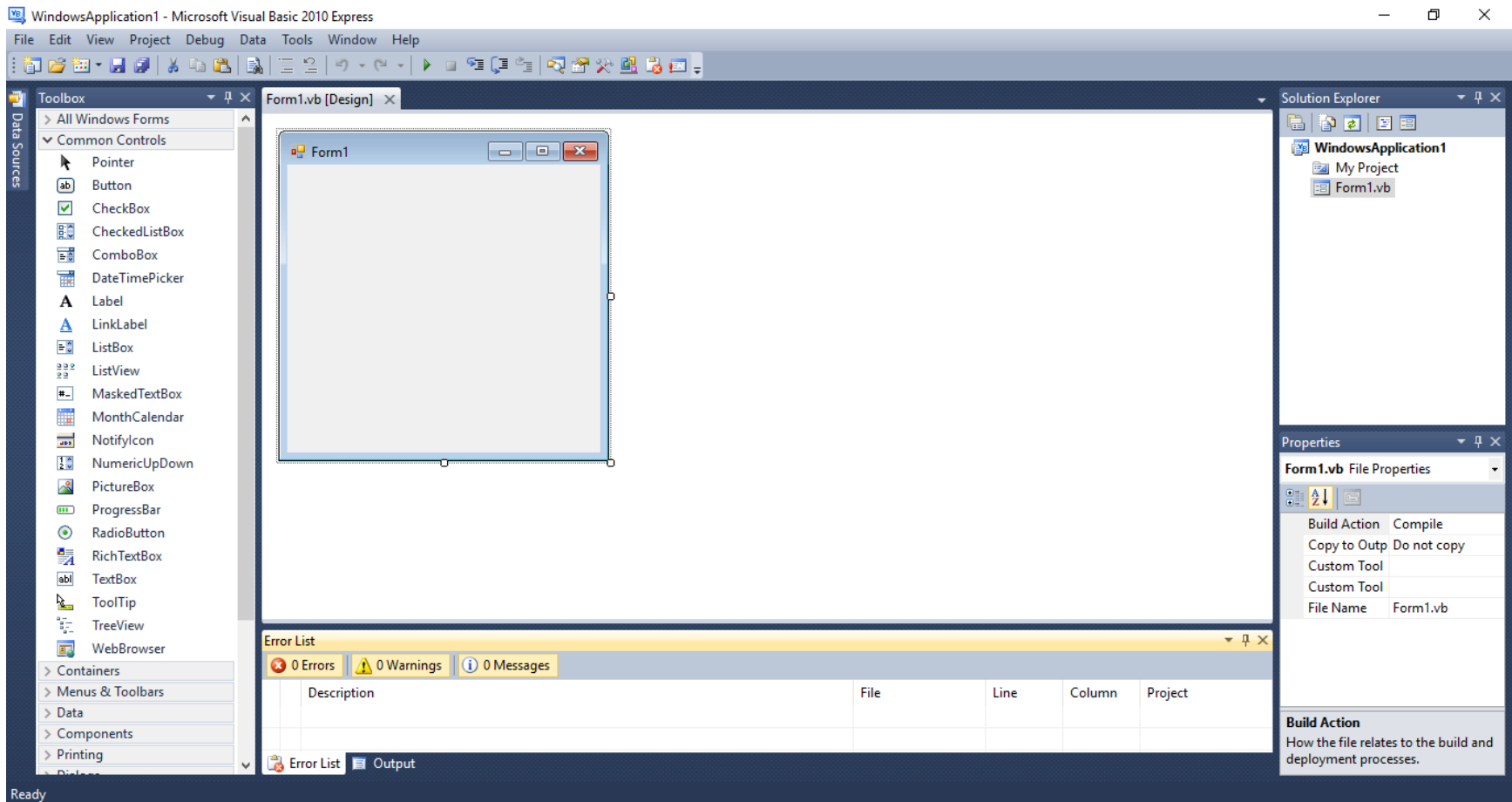
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Strat a new VB program



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Initial view of VB interface



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Click the “Button” control and drag to “Form”

The screenshot displays the Microsoft Visual Basic 2010 Express IDE. The main window is titled "Form1.vb [Design]*" and shows a design view of a form. The "Toolbox" on the left is open to the "Common Controls" section, where the "Button" control is selected and highlighted. A tooltip for the Button control is visible, stating: "Button Version 4.0.0.0 from Microsoft Corporation .NET Component Raises an event when the user clicks it." The "Solution Explorer" on the right shows the project structure: "WindowsApplication1" containing "My Project" and "Form1.vb". The "Properties" window on the right shows the properties for the selected "Form1" control, including "RightToLeft", "RightToLeftLe", "ShowIcon", "ShowInTaskb", "Size", "SizeGripStyle", "StartPosition", "Tag", and "Text". The "Error List" window at the bottom shows "0 Errors", "0 Warnings", and "0 Messages". The status bar at the bottom left indicates "Ready".



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Double click the “Button1” control

WindowsApplication1 - Microsoft Visual Basic 2010 Express

File Edit View Project Debug Data Format Tools Window Help

Toolbox

- All Windows Forms
- Common Controls
 - Pointer
 - Button
 - CheckBox
 - CheckedListBox
 - ComboBox
 - DateTimePicker
 - Label
 - LinkLabel
 - ListBox
 - Listview
 - MaskedTextBox
 - MonthCalendar
 - NotifyIcon
 - NumericUpDown
 - PictureBox
 - ProgressBar
 - RadioButton
 - RichTextBox
 - TextBox
 - ToolTip
 - TreeView
 - WebBrowser
- Containers
- Menus & Toolbars
- Data
- Components
- Printing

Form1

Button1

Solution Explorer

- WindowsApplication1
 - My Project
 - Form1.vb

Properties

Button1 System.Windows.Forms.I

- MinimumSize 0, 0
- Modifiers Friend
- Padding 0, 0, 0, 0
- RightToLeft No
- Size 75, 23
- TabIndex 0
- TabStop True
- Tag
- Text Button1

Error List

0 Errors 0 Warnings 0 Messages

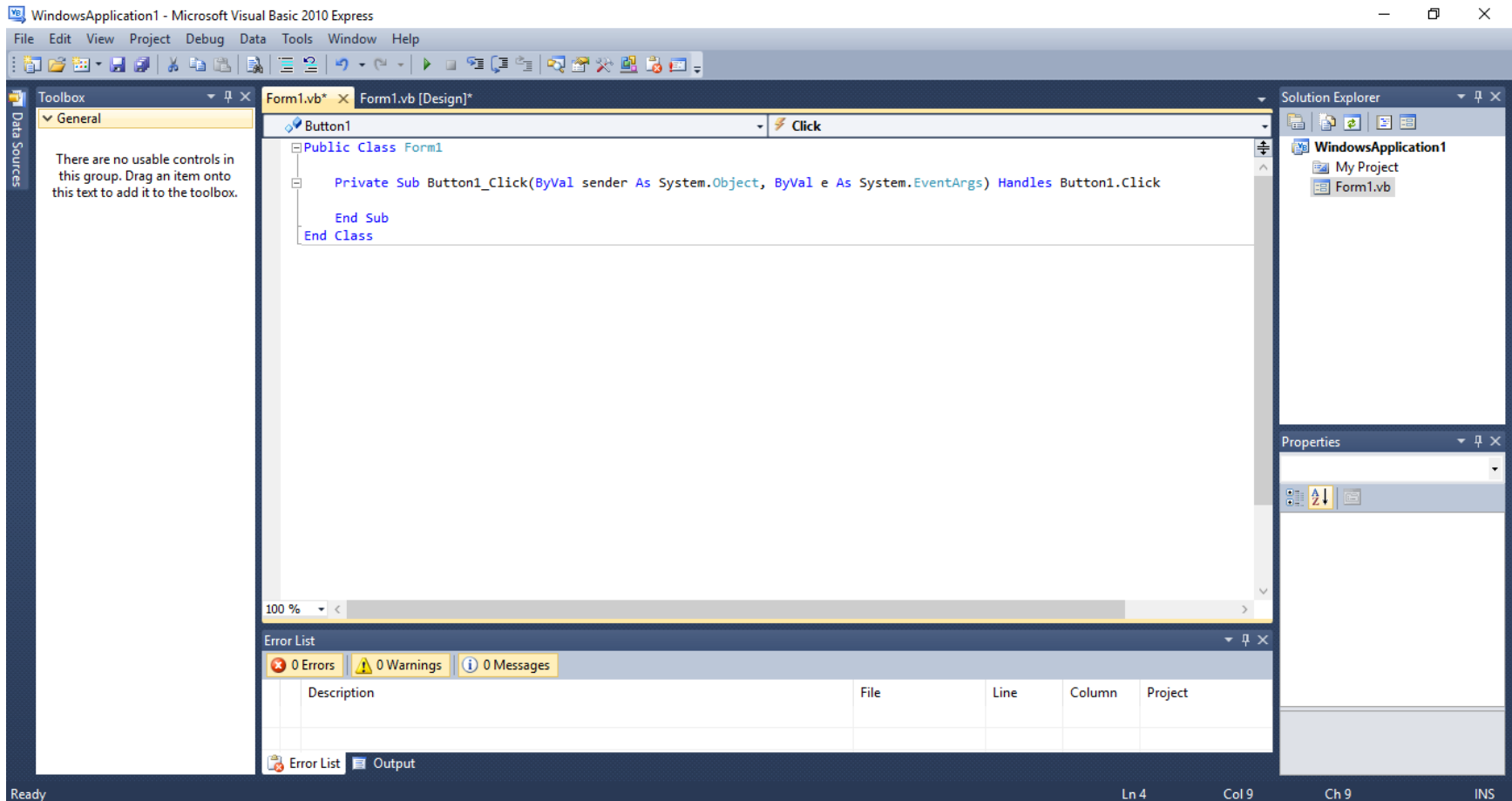
Description	File	Line	Column	Project
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Ready



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VB Code Editor will appear that allow **You** to write the coding



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Write **YOUR** first VB program. Type: MsgBox("Welcome to My First VB Program")

The screenshot shows the Microsoft Visual Basic 2010 Express IDE. The main window displays the code for a class named Form1. The code is as follows:

```
Public Class Form1
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        MsgBox("Welcome to My First VB Program")
    End Sub
End Class
```

The interface includes a menu bar (File, Edit, View, Project, Debug, Data, Tools, Window, Help), a toolbar, a Toolbox on the left, a Solution Explorer on the right showing the project structure (WindowsApplication1 > My Project > Form1.vb), and a Properties window. At the bottom, there is an Error List showing 0 Errors, 0 Warnings, and 0 Messages, and a status bar indicating the current line and column (Ln 9, Col 1).



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Test your program by click at “Strat Debugging” icon

The screenshot displays the Microsoft Visual Basic 2010 Express IDE. The main window shows the code for a class named `Form1`. The code includes a private sub procedure `Button1_Click` that handles the click event of a button named `Button1`. The sub procedure calls `MsgBox("Welcome to My First VB Program")` and ends with `End Sub` and `End Class`. The `Start Debugging (F5)` button is visible in the toolbar above the code editor.

```
Public Class Form1
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        MsgBox("Welcome to My First VB Program")
    End Sub
End Class
```

The interface also shows the `Toolbox` on the left, the `Solution Explorer` on the right, and the `Properties` window. The `Error List` at the bottom shows 0 Errors, 0 Warnings, and 0 Messages. The status bar at the bottom indicates the current cursor position: Ln 9, Col 1, Ch 1, INS.



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The program will be initiated as follows:

The screenshot displays the Microsoft Visual Basic 2010 Express IDE. The main window shows a running application titled "Form1" with a single button labeled "Button1". The code editor on the left shows the following code:

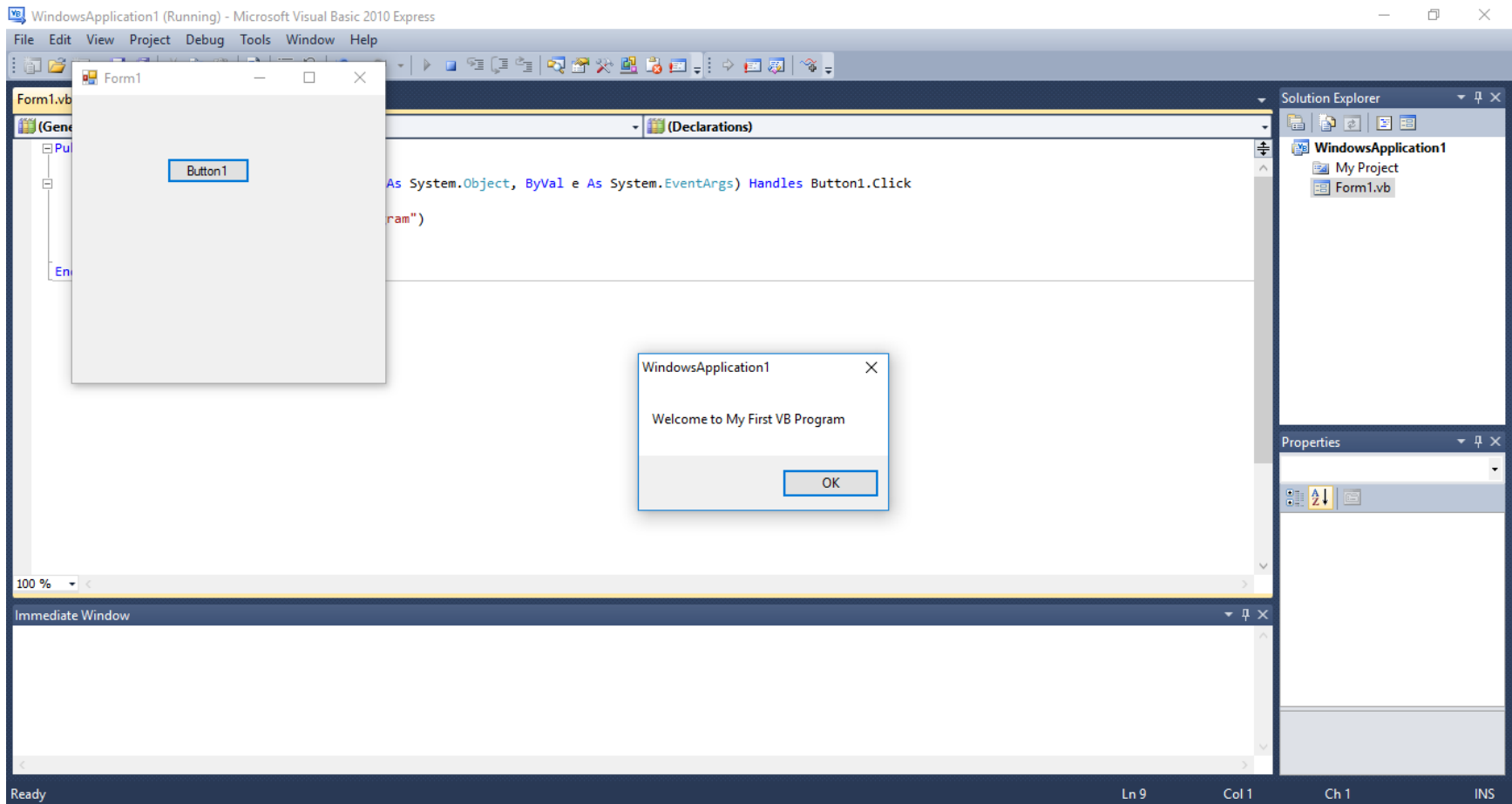
```
Public Class Form1
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        MsgBox("Welcome")
    End Sub
End Class
```

The Solution Explorer on the right shows the project structure: "WindowsApplication1" containing "My Project" and "Form1.vb". The Properties window is empty. The Immediate Window is also empty. The status bar at the bottom indicates "Ready" and "Ln 9 Col 1 Ch 1 INS".



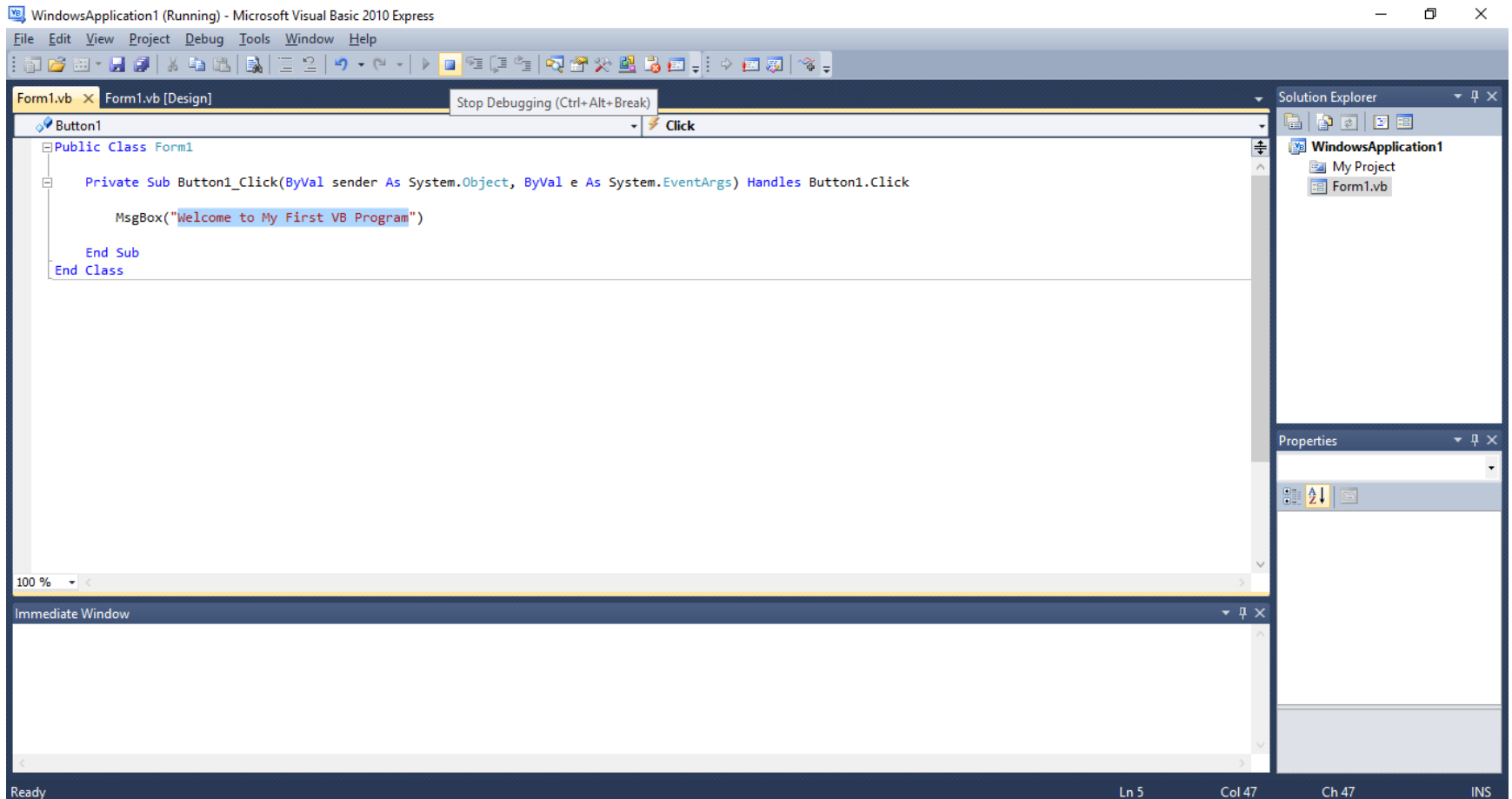
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Click at “**Button1**” and a message box will appear:
Welcome to My First VB Program



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Click at “Stop Debugging” icon to end the program



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Have Fun

Now you can change the content of the message box, write whatever you want the message box to show and

HAVE FUN 😊



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