

Visual Basic – Creating Your First Programs

Be careful typing code – make sure your spelling and punctuation are correct!



1 – The Message Box

- Start a new project in Visual Studio. Make sure you are working in Visual Basic and making a Windows Application.
- Use the Toolbox to draw a button on your form. (Hint – if you lose the toolbox, go to *View... Toolbox*)
- Now double-click on the button to go to the code view and type the following code in between the *Private Sub Button1_Click* and the *End Sub* lines:

```
MsgBox ("Hello")
```

- Now go to the *Play* button at the top of the screen and test your first program.

2 – The Input Box

You are now going to make a program that lets the user enter some data which will then be displayed as part of a message. Delete the msgbox line of code from part 1 and enter the following code:

```
Dim myName  
myName = InputBox ("What is your name?")  
MsgBox ("Hello " & myName)
```

Now run it with the *Play* button

Explanation:

Line 1: This code creates a **variable** called myName. We will use this to store information. Think of it like x in an algebra problem

Line 2: This creates an input box that lets the user enter their name. The name is stored inside the variable myName

Line 3: Finally, a message is displayed that greets the person using their name

3 – If... Then... Else

We are going to make code that reacts to what the user does. The program will treat them differently depending on who they are. Use the following code between *Private Sub* and *End Sub* and see if you can figure out how it works:

```
Dim myName  
myName = InputBox ("What is your name?")  
  
If myName = "Fred" Then  
    MsgBox "Hi Fred, long time, no see"  
Elseif myName = "Peter" Then  
    MsgBox "Get lost, Pete"  
Else: MsgBox "Hello " & myName & ", we haven't met before."  
Endif
```