

## Copying Custom Macros in an Excel Spreadsheet

Custom macros are the magic behind many Excel spreadsheet functions. They can be copied from one spreadsheet into another by following the directions below.

*In this example, our spreadsheet includes a custom macro titled 'flipText' that reverses the order of text. When you work with other macros - for instance to create *Azalea barcodes* in your spreadsheet - they'll have different titles.*

Let's get started!

### 1. Open the spreadsheet that contains the macro you want to copy.

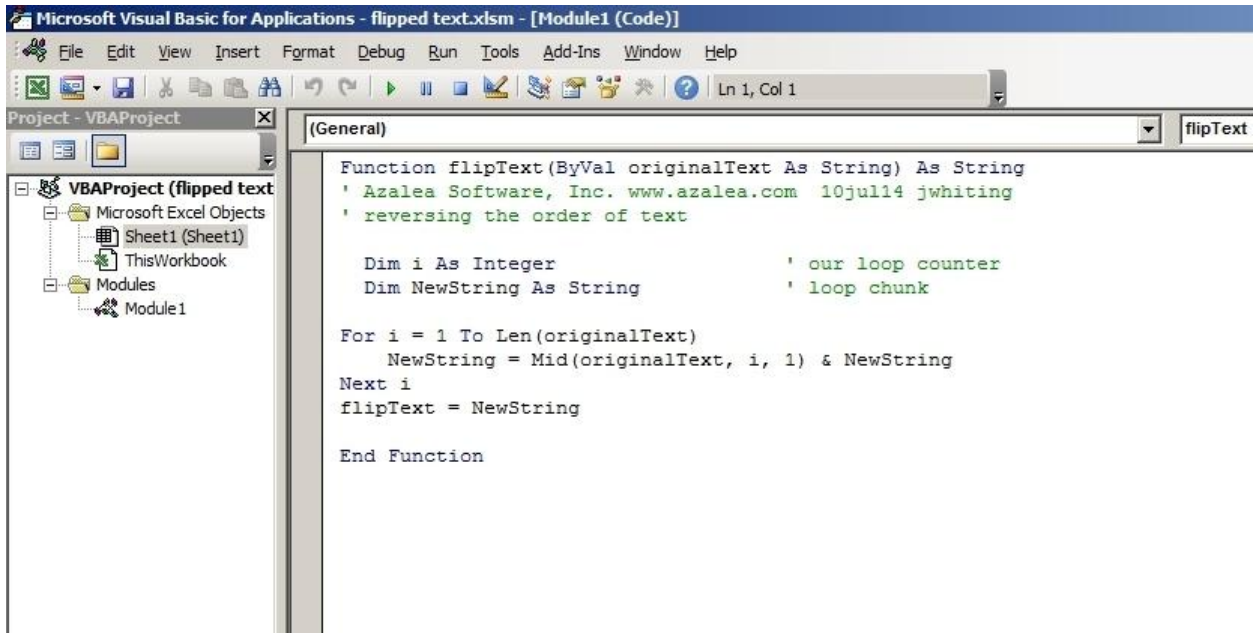
The screenshot shows the Microsoft Excel interface with the 'DEVELOPER' ribbon selected. The spreadsheet contains the following data:

	A	B	C	D	E	F	G	H
1	the original order	the flipped order						
2	0123456789	9876543210						
3	JHGFEDCBA	ABCDEFGHIJ						
4	AOXOMOXOA	AOXOMOXOA						
5	civic	civic						
6	deified	deified						
7	!yadhtriB yppaH	Happy Birthday!						
8								
9								
10								

### 2. Hit the Alt and F11 keys to display the Visual Basic editor.

The screenshot shows the Microsoft Excel interface with the 'DEVELOPER' ribbon selected. The 'Visual Basic' button is circled in red. The spreadsheet data is the same as in the previous screenshot.

## 2a. The Visual Basic editor will open.



The screenshot shows the Microsoft Visual Basic for Applications editor window titled "Microsoft Visual Basic for Applications - flipped text.xlsm - [Module1 (Code)]". The Project Explorer on the left shows the "VBAPROJECT (flipped text)" containing "Microsoft Excel Objects" (Sheet1 (Sheet1), ThisWorkbook) and "Modules" (Module1). The main editor area shows the code for the "flipText" function in the "General" tab. The code is as follows:

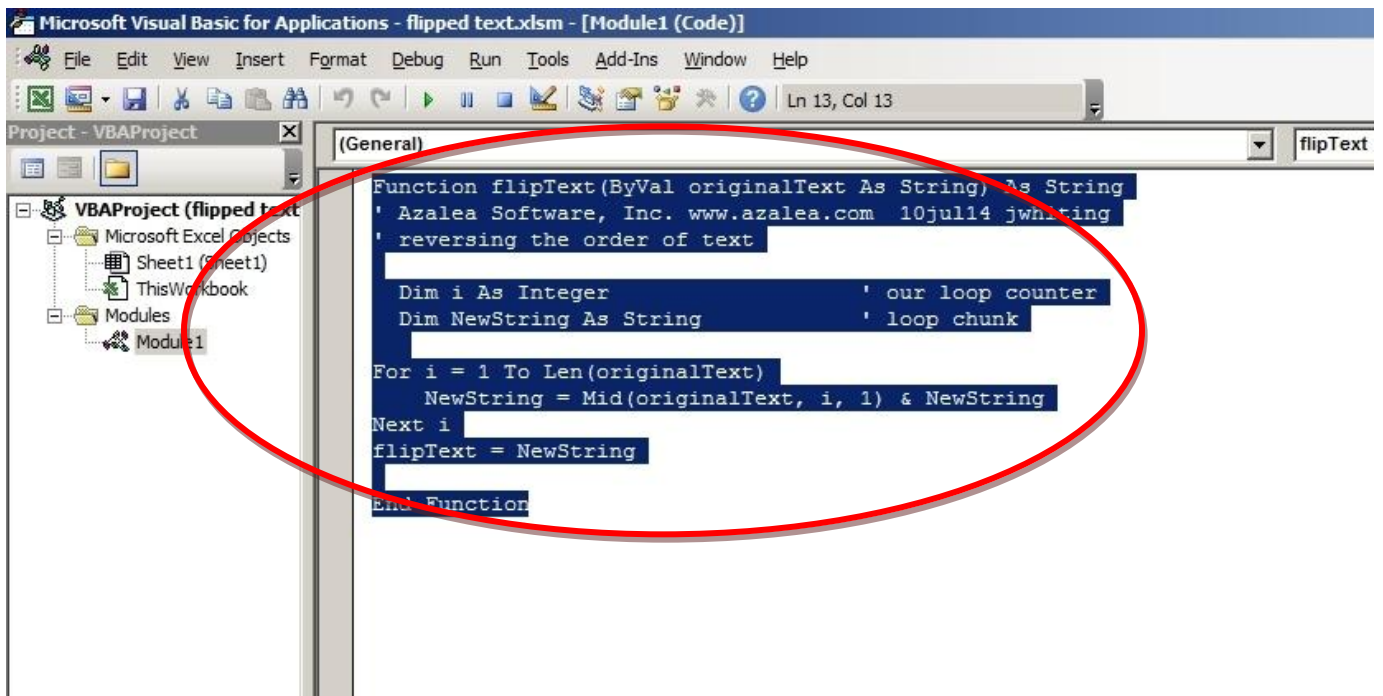
```
Function flipText(ByVal originalText As String) As String
' Azalea Software, Inc. www.azalea.com 10jul14 jwhiting
' reversing the order of text

Dim i As Integer           ' our loop counter
Dim NewString As String    ' loop chunk

For i = 1 To Len(originalText)
    NewString = Mid(originalText, i, 1) & NewString
Next i
flipText = NewString

End Function
```

## 3. Select, then copy all of the macro text.



The screenshot shows the same Microsoft Visual Basic for Applications editor window. The code for the "flipText" function is now selected, indicated by a blue highlight and a red oval around the text. The code is as follows:

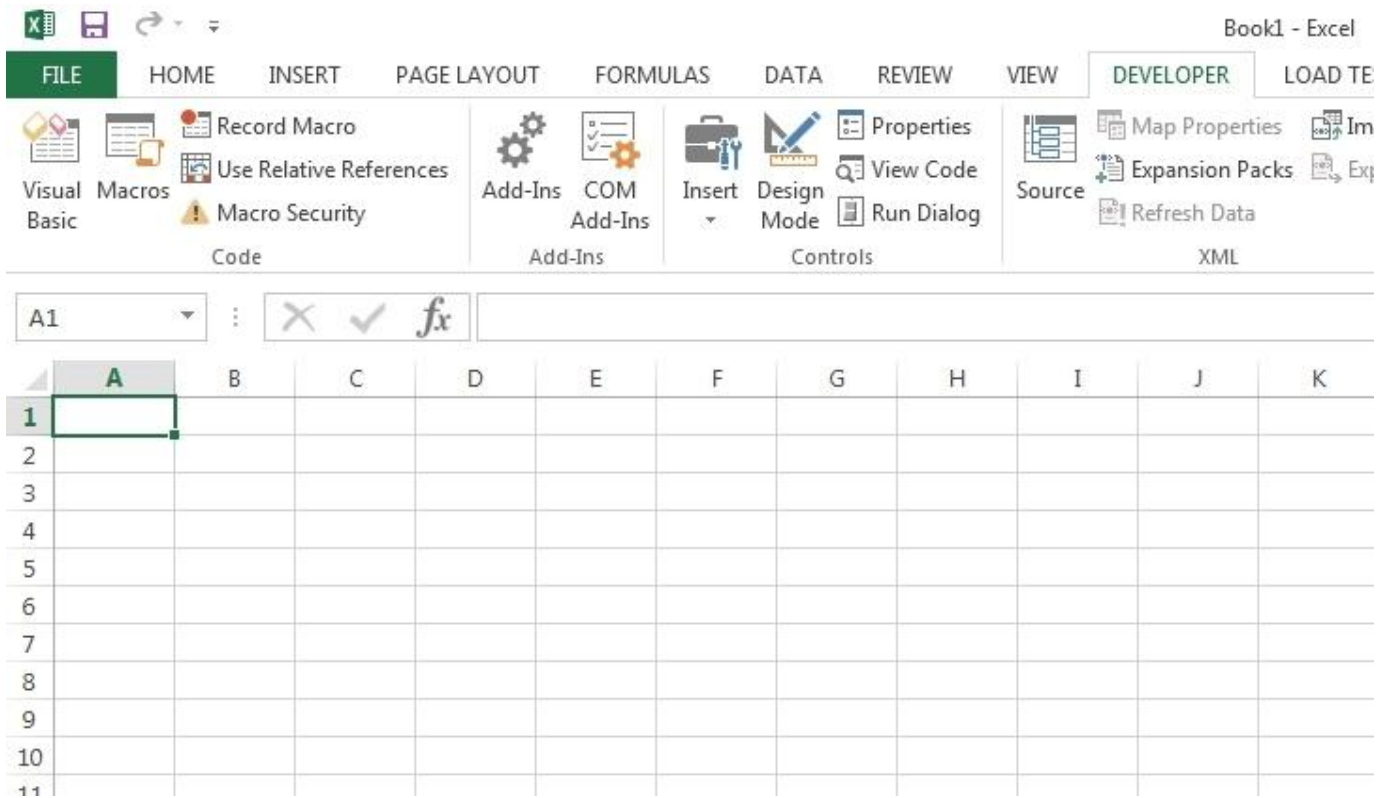
```
Function flipText(ByVal originalText As String) As String
' Azalea Software, Inc. www.azalea.com 10jul14 jwhiting
' reversing the order of text

Dim i As Integer           ' our loop counter
Dim NewString As String    ' loop chunk

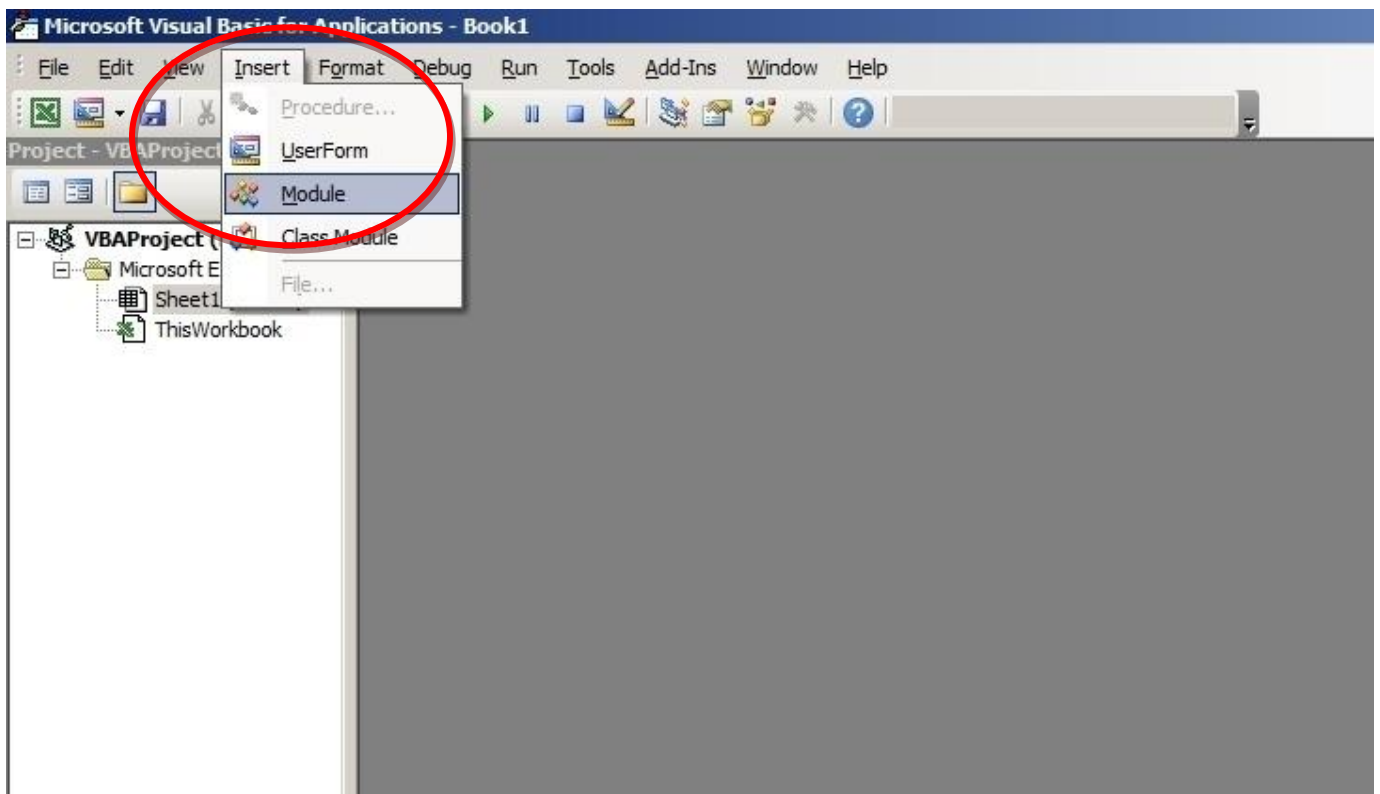
For i = 1 To Len(originalText)
    NewString = Mid(originalText, i, 1) & NewString
Next i
flipText = NewString

End Function
```

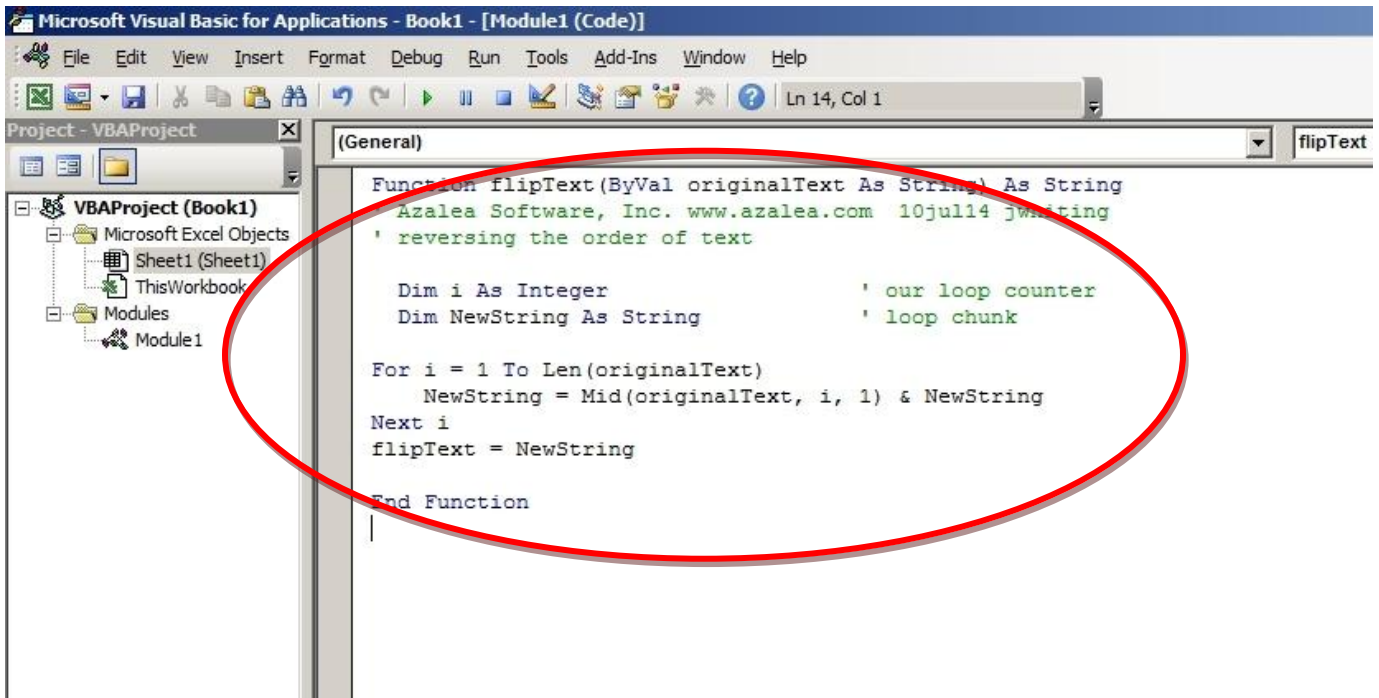
4. Open the spreadsheet you want to copy the macro into. Hit the Alt and F11 keys to open the VBA editor in this spreadsheet.



5. The Visual Basic editor will open. From the file menu choose Insert, then choose Module.

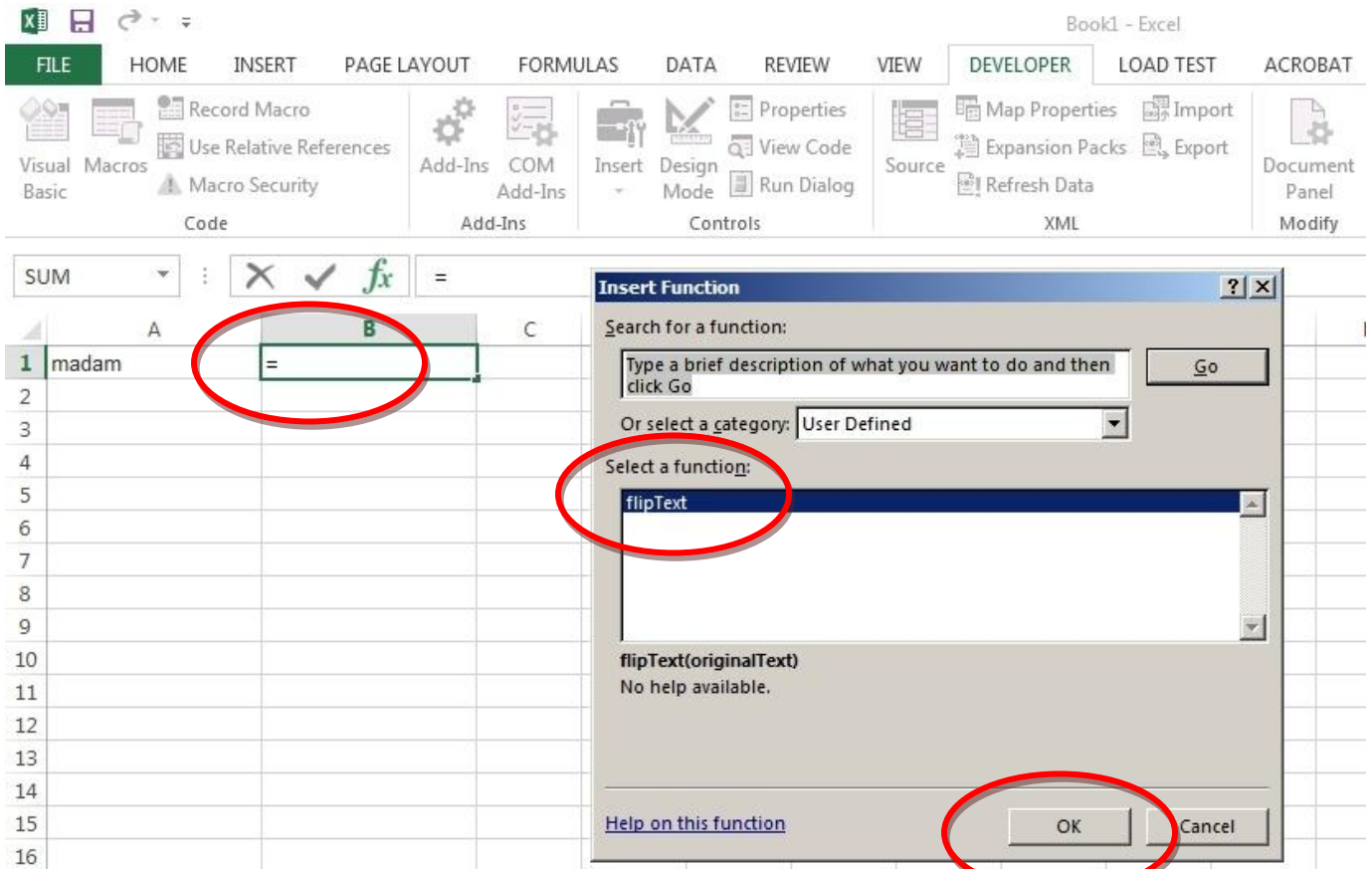


6. Paste the macro text that you copied from the source spreadsheet into the opened module. Then close the module.



Using the macro in the new spreadsheet is easy!

7. Type the 'equal' sign into the target cell where you want the final data (here it's B1), then select the macro you want to use from the list of user-defined macros (now called 'functions'). In this example, we'll choose 'flipText'. Click OK.



8. Enter the cell that contains the data you want to apply the function to. In this example, A1. Click 'OK'.

The screenshot shows the Excel Developer ribbon with the 'flipText' function selected. The formula bar displays '=flipText(A1)'. The spreadsheet shows cell A1 containing 'madam' and cell B1 containing the formula '=flipText(A1)'. The 'Function Arguments' dialog box is open, showing the 'OriginalText' field set to 'A1' and the 'Formula result' as 'madam'. The 'OK' button is circled in red.

And *voila*, you've worked macro magic!

The screenshot shows the Excel Developer ribbon with the 'flipText' function selected. The formula bar displays '=flipText(A1)'. The spreadsheet shows cell A1 containing 'madam' and cell B1 containing the text 'madam'. The 'Function Arguments' dialog box is no longer visible.

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for custom barcode macros, barcode software and other Excel tips.