

Exercise 2

Download the exercise files from <http://www.peter-lo.com/Teaching/I154-1-A/Exercise2.zip>, you will use these files to finish the following exercises.

1. Open the Excel file “Question 2-1.xls”. This spreadsheet contains a database (list) of furniture items. Enter formulae in the yellow cells so that whenever you enter a product code in the green cell you see the product details beneath.

Wise Owl Furnishings				Enquiry System	
Code	Item	Price	In Stock		
A16	Stool	£21.00	7	Code:	A18
A17	Lamp	£32.99	8	Item:	Bookcase
A18	Bookcase	£112.50	40	Price:	£112.50
A34	Armchair	£89.99	5	Number in Stock:	40
B45	Kitchen	£231.00	34		
C39	Sofa	£312.00	0		
D80	Dining Table	£199.99	12		
F26	Shelves	£45.00	9		
G36	Rocking Chair	£87.99	13		

2. Open the Excel file “Question 2-2.xls”. Enter a formula in the yellow cell so that it shows the corresponding profit for any item typed into the green cell - an example is shown below.

	A	B	C	D
1				
2		P + L for Trotter Trading		
3				
4		Gross Sales		£2,500
5				
6		Costs		
7		Staff		£882
8		Overheads		£525
9		Depreciation		£350
10		Vehicles and travel		£359
11		OMGS		£408
12		Total:		£2,524
13				
14		Profit/(Loss):		(£24)
15				
16		Choose a line from the P&L ==>		Overheads
17				
18		The amount for this line item is:		£525
19				

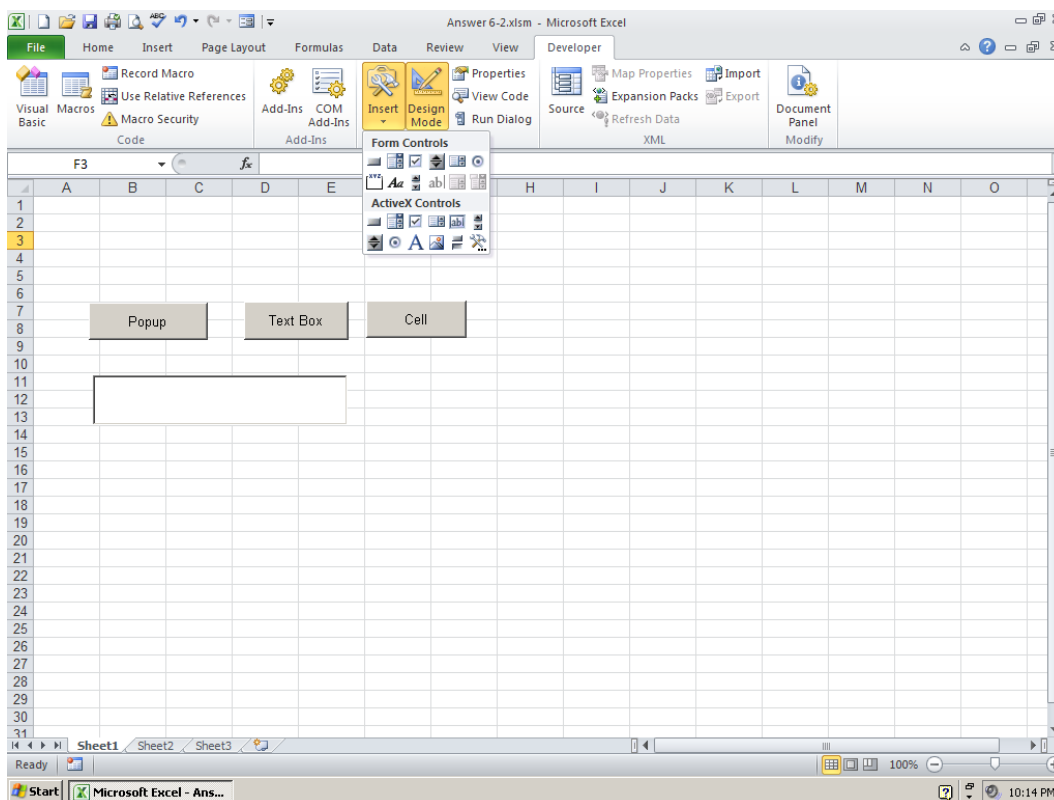
Amend your formula so that it shows a suitable description if a non-existent line item title is entered in the green cell:

Choose a line from the P&L ==>	Postage
The amount for this line item is:	No such item

3. By using the Import feature, import the text file “Question 2-3.txt” to the Excel and output as the following layout.

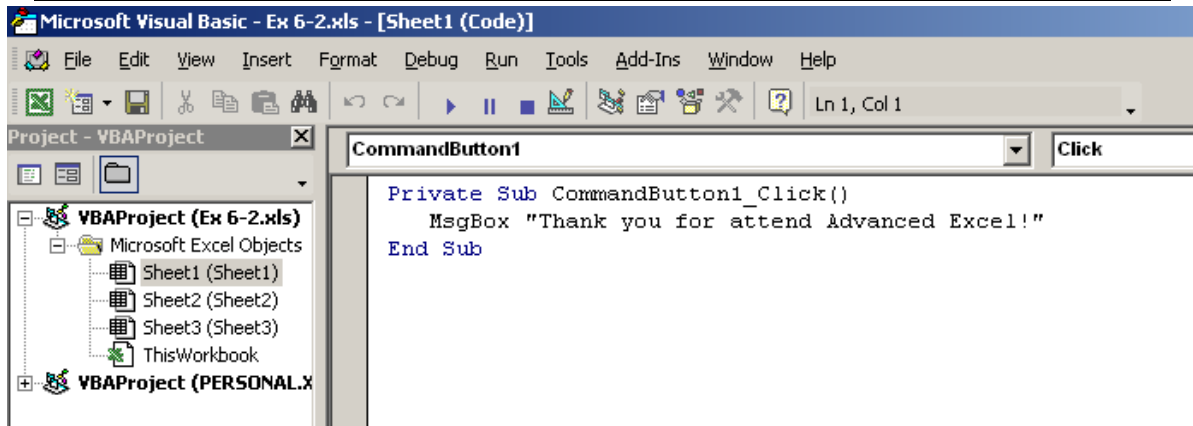
	A	B	C
1	ID	NAME	BIRTHDAY
2	000026078	John Chan	12-Dec-1976
3	000058061	Mary Lee	25-Mar-1974
4	000058062	Vicki Chung	05-Sep-1976
5	000066698	Stephen Lo	03-Sep-1978
6	000066699	Terry Wong	19-Aug-1977
7	000068120	Ricky Chan	01-Apr-1978
8	000069388	Ken Fong	15-Aug-1980
9	000081432	Dickson Leung	19-Nov-1977

4. This exercise will guide you how to create a control macro, please ensure your security level set to Medium or Low before start this exercise.
 - A. Open a new workbook, select **View** → **Toolbars** → **Control Toolbox**
 - B. Draw 3 Command Buttons on the worksheet, and change the **Caption** to “**Message Box**”, “**Text Box**” and “**Change Cell**”.



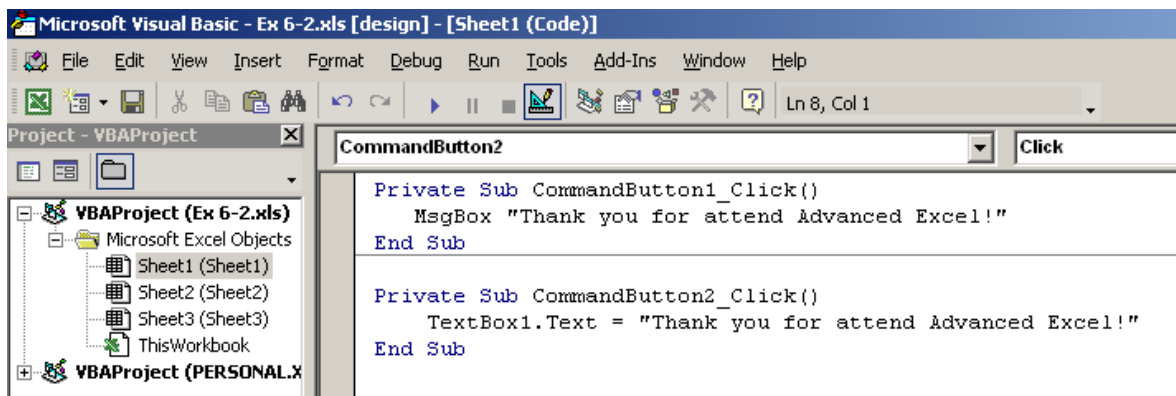
- C. Double click the command button “**Message Box**” to open the Visual Basic Editor, and then enter the following code.

```
MsgBox "Thank you for attend Advanced Excel!"
```



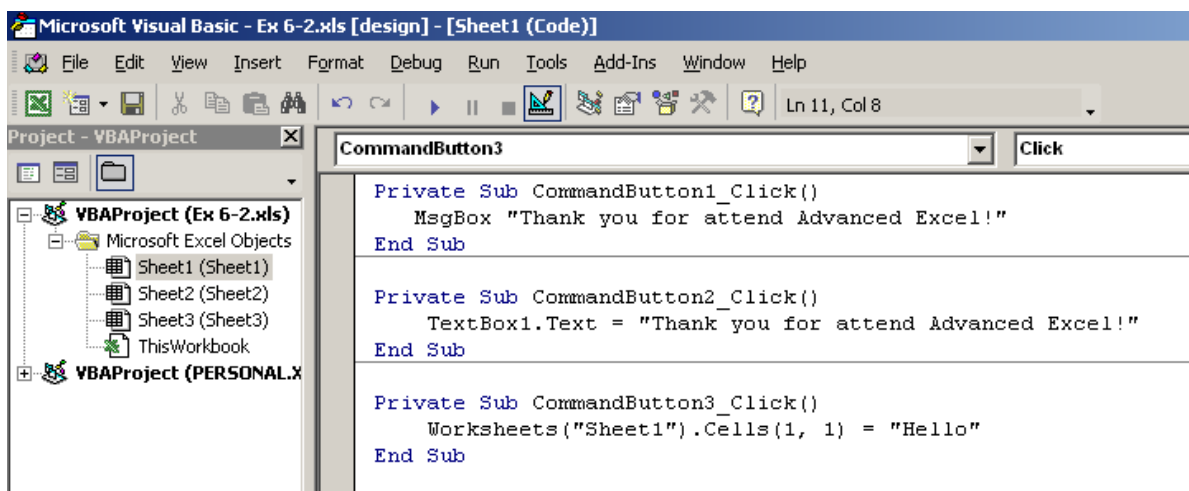
- D. Select **File** → **Close and Return to Microsoft Excel** in the Visual Basic Editor
- E. Double click the command button “**Text Box**” to open the Visual Basic Editor, and then enter the following code.

```
TextBox1.Text = "Thank you for attend Advanced Excel!"
```



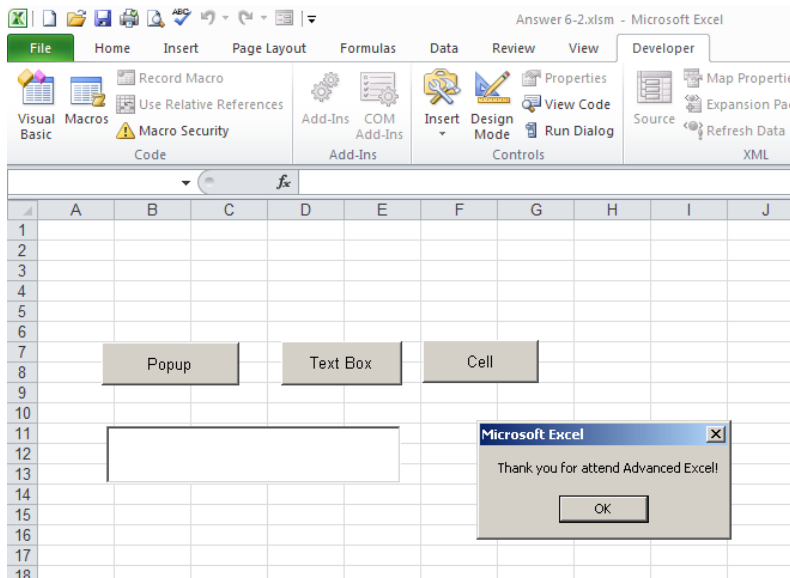
- F. Select **File** → **Close and Return to Microsoft Excel** in the Visual Basic Editor
- G. Double click the command button “**Cell**” to open the Visual Basic Editor, and then enter the following code.

```
Worksheets("Sheet1").Cells(1, 1) = "Hello"
```

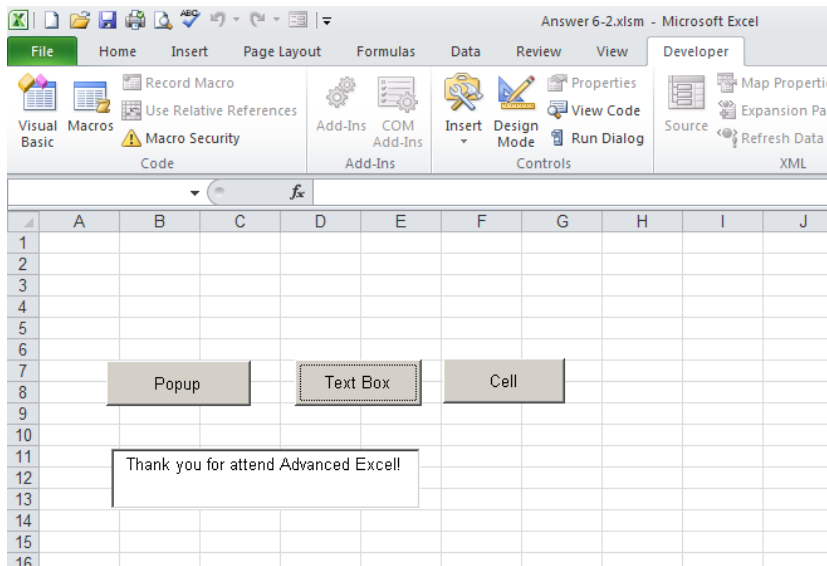


H. Save the file as “Ex 2-4.xls” and close it.

I. Open the file “Ex 2-4.xls” and press the “**Popup**” button, can you see the dialog box?



J. Press the “**Text Box**” button, can you see the text in textbox?



K. Press the “**Cell**” button, can you see the word in the cell A1?

