

More Complex Macros in a Quiz

1. Getting the score to work

The score **variable** won't work straight away. It needs a little tweak to the code.

This is because the variable is used inside more than one macro. VB won't like this, unless you tell it that score is a **global variable** – i.e. it works in all the macros.

You need to add this code **at the top of the macros**. It can't go anywhere else:

```
Option Explicit
Global score As Integer
```

An integer is just a whole number (1, 2, 3 etc...).

2. Combining macros

Do we need slides 3 and 4? Can't we do this with two macros on slide 2 instead?

Try this:

```
Sub question1_correct()
MsgBox "That's correct"
score = score + 1
Application.SlideShowWindows(1).View.GotoSlide Index:=5
End Sub

Sub question1_wrong()
MsgBox "That's not right. The answer is IT2."
Application.SlideShowWindows(1).View.GotoSlide Index:=5
End Sub
```

Then you should be able to delete slides 3 and 4.

Checking it:

IMPORTANT: after you delete some slides you'll need to go back to your macros and check that they direct people to the right slide.

You'll probably need to change the `Index:=5` number for lots of them...

3. Adding a hint

Sometimes you want to give people a clue if they get an answer wrong. For example, on slide 2 there's a "No idea" button. Maybe if people click this we want to give them a clue rather than marking it wrong.

Try this sort of thing:

```
Sub question1_clue()  
MsgBox "Try looking on the door or on your timetable..."  
End Sub
```

4. Final score

We'll need a humorous message at the end based on how many questions the quizzier got right.

I'm going to assume you have 7 questions. I'd do something like this:

```
Sub end_of_quiz()  
If score < 4 Then  
MsgBox "a message with their score"  
ElseIf score > 6 Then  
MsgBox "a message saying they got all the questions right"  
Else  
MsgBox "a message saying they did OK with their score"  
End If  
End Sub
```

Careful with the ElseIf line (no space) and watch the End If line – it won't work without this but won't tell you why...

The way you do this will depend on how many questions you have and how you want it to work.