

Advance Excel Assignment 16

1. What is a Macro? How is it useful in excel or in your daily work?

Ans:- A macro is a way to automate simple tasks. They can be used in a variety of ways. Also it is a set of instructions used to execute repetitive tasks.

we can record a set of commands and then play them back with one or two keystrokes.

By this way can save a lot of time when doing routine and repetitive tasks.

2. What is VBA? Write its full form and briefly explain why VBA is used in Excel?

Ans:- The Full Form of VBA is **Visual Basic for Application**. VBA is an event-driven tool, which means that we can use it to tell the computer to initiate an action or string of actions.

VBA is used to create macros to automate repetitive word- and data-processing functions, and generate custom forms, graphs, and reports.

VBA functions within MS Office applications; it is not a stand-alone product.

VBA is accessed in Excel by hitting Alt + F11 while having an Excel workbook present.

VBA leverages objects, variables, properties, projects, logical operators, and modules to make statements recognizable by debugging processes.

3. How do you record a macro? Write detailed steps to create a macro to automatically make the following table in bold and to create borders for it in excel.

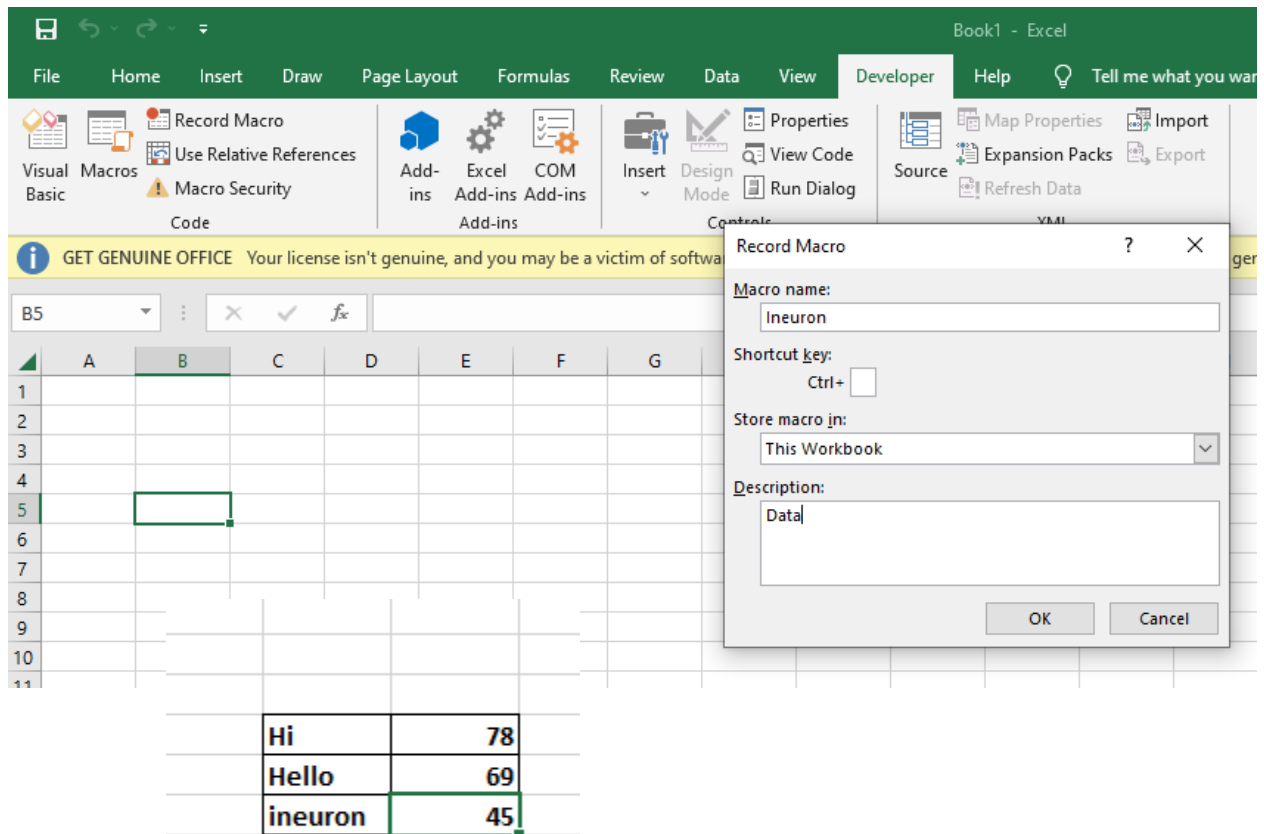
hi 78

Hello 69

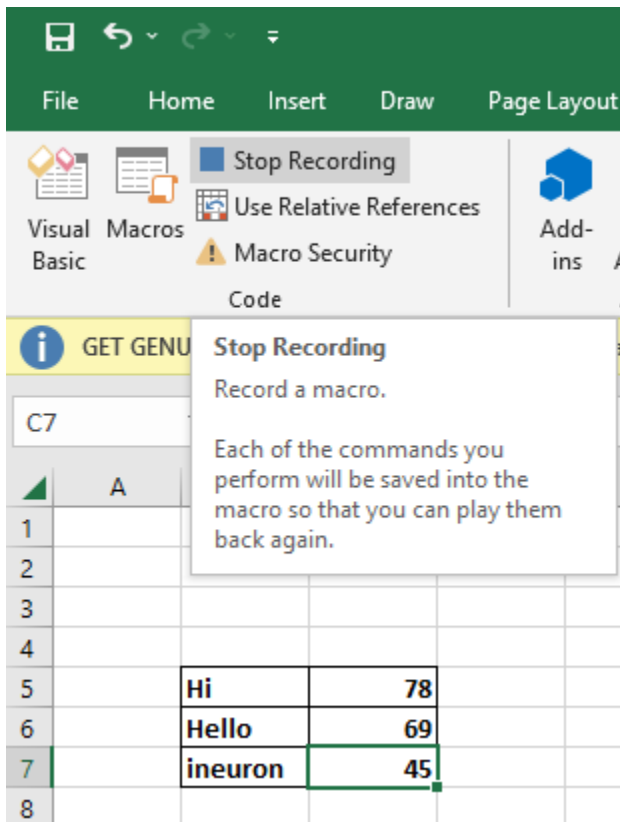
Ineuron 45

Ans:-

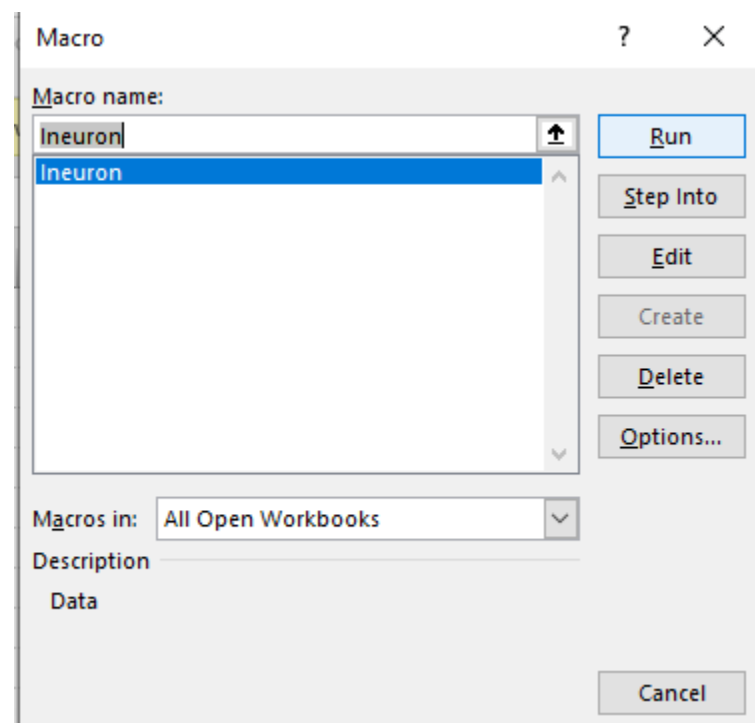
Step 1



Step 3:- Now, Stop the Recording



Step 4:- Now, We have created the macro, we can use it by clicking on the macro name

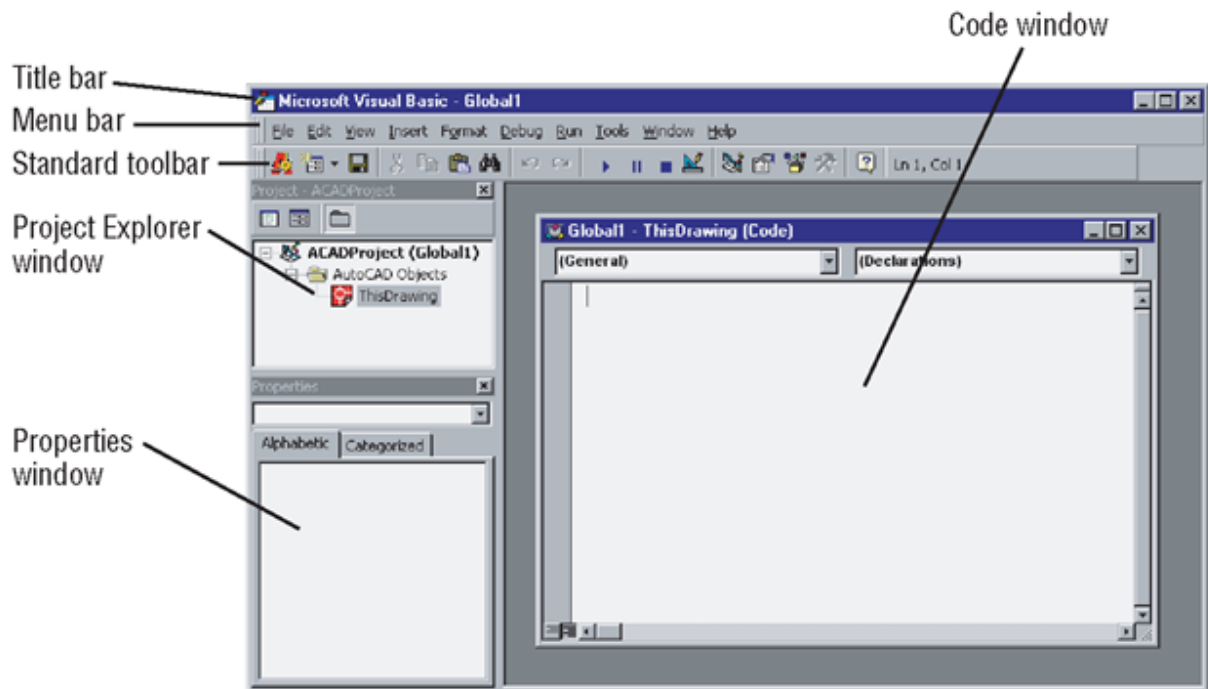


4. What do you mean when we say VBA Editor?

Ans:- Visual Basic Editor is an application (a separate one) in which we can write and save all the VBA codes. In simple words, it's a code editor for Excel in which we can write all the macros and store them. Even though it is a separate application (VB Editor) we can only use it with Excel.

5. Briefly describe the interface of a VBA editor? What is properties window? And what is watch window? How do you display these Windows?

Ans:- Interface of the VBA

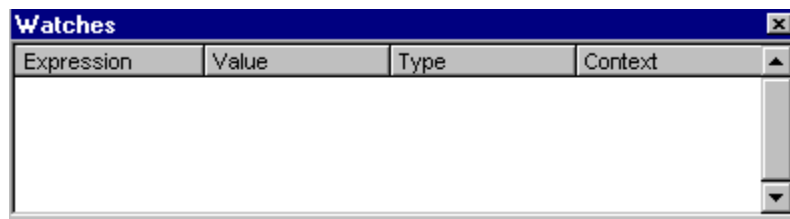


Properties Windows:- The Properties window lists the design-time properties for selected objects and their current settings. We can change these properties at design time. To navigate the Properties window

Shortcut Key:- Properties window (F4). Select the object whose properties we want to display.

Watch Windows:- A watch is a variable or expression that has been placed in the window to enable you to monitor its value. Let's watch the values of variables and expressions as our code executes.

When your application enters break mode, the watch expressions you select appear in a window allowing you to observe their values etc. It is also possible to set up conditional watches.



This window is automatically updated after each line of code is executed

6. What is an immediate Window and what is it used for?

Ans:- The Immediate window displays information resulting from debugging statements in our code or from commands typed directly into the window.

Immediate window

Shortcut key:- Immediate window (CTRL+G).