Excel Assignment - 16

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

Ans. A macro is an action or a set of actions that you can run as many times as you want. When you create a macro, you are recording your mouse clicks and keystrokes. After you create a macro, you can edit it to make minor changes to the way it works.

An Excel macro is an action or a set of actions that can be recorded, named, saved and executed as many times as required and whenever desired. By using macros, we are able to automate repetitive tasks associated with data manipulation and data reporting that must be accomplished repeatedly.

A macro is a set of instructions used to execute repetitive tasks. You can record a set of commands and then play them back with one or two keystrokes. That means that you can save A LOT of time when doing routine and repetitive tasks.
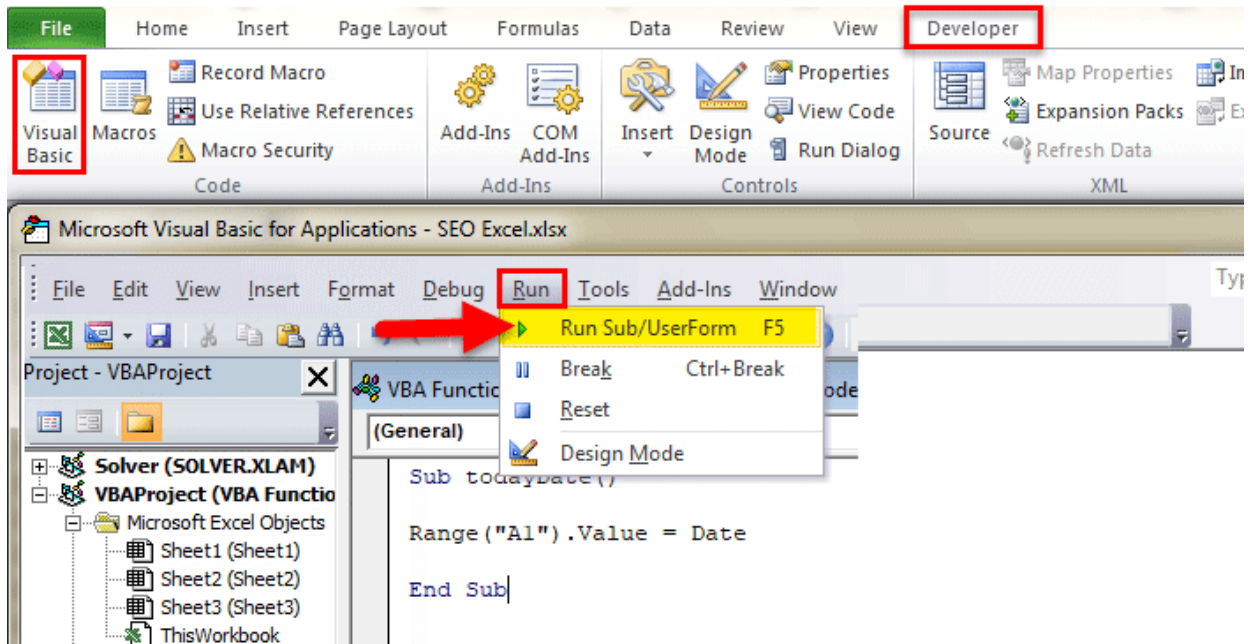
2. What is VBA? Write its full form and briefly explain why VBA is used in excel?

Ans. VBA stands for Visual Basic Analysis. Excel VBA is Microsoft's programming language for Office applications such as MS-Excel, MS-Word, and MS-Access. Macros are what most people who write VBA code use.
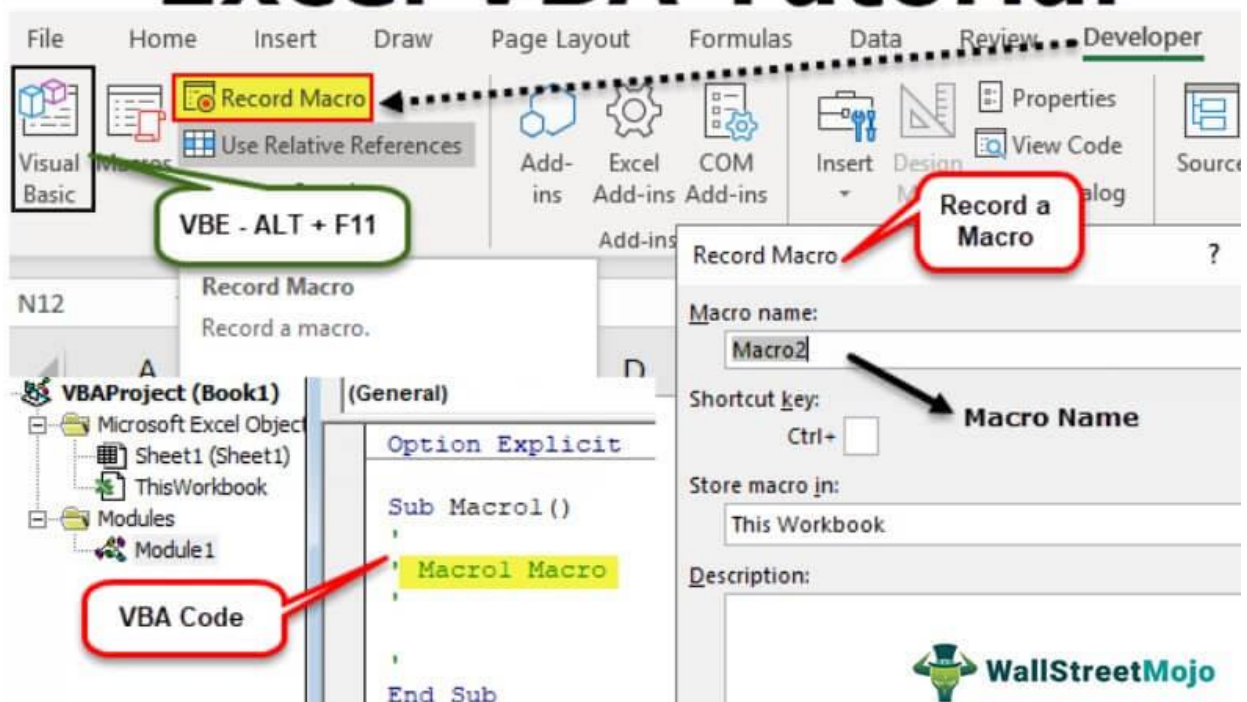
Visual Basic for Applications is a computer programming language developed and owned by Microsoft. With VBA you can create macros to automate repetitive word- and data-processing functions, and generate custom forms, graphs, and reports. VBA functions within MS Office applications; it is not a stand-alone product.

VBA stands for **Visual Basic Analysis**. Excel VBA is Microsoft's programming language for Office applications such as MS-Excel, MS-Word, and MS-Access. Macros are what most people who write VBA code use.

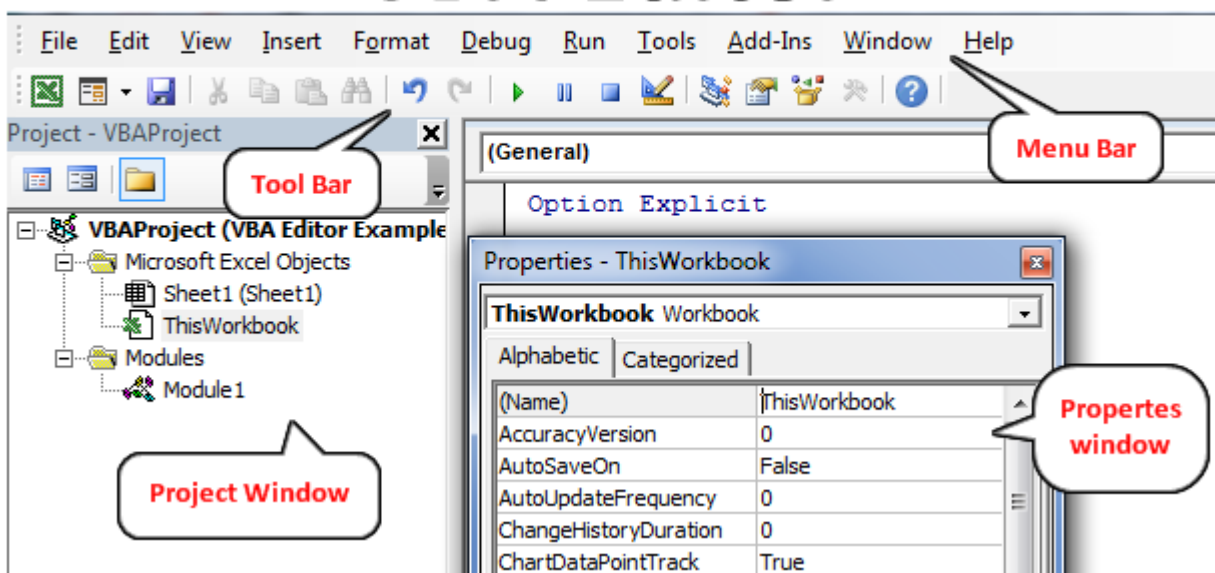# VBA Function in Excel

Excel VBA Tutorial

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.

<div align="center">

Hi 78
hello   69
ineuron 45

</div>

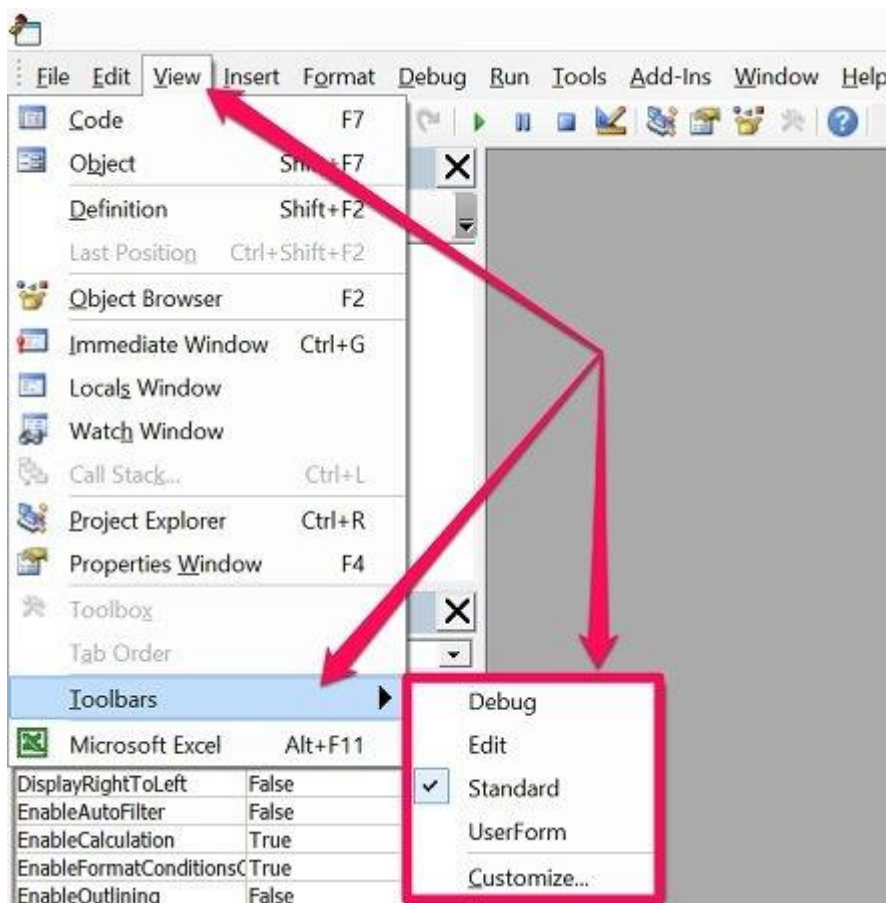4. What do you mean when we say VBA Editor?

Ans. Excel's Visual Basic for Applications (VBA) editor is a very powerful tool. It lets you write and edit custom scripts that automate actions in Excel. In fact, when you record a macro it is stored in VBA code in the VBA editor

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. What is the VBA editor? The Visual Basic editor, also called the VBA editor, VB editor, or VBE, is an interface for creating scripts. VBA (Visual Basic for Applications) is the coding language that's used to create these scripts

The Properties window lists the design-time properties for selected objects and their current settings. You can change these properties at design time. When you select multiple controls, the Properties window contains a list of the properties common to all the selected controls. To navigate the Properties window.

1. From the View menu of the Visual Basic Editor, choose Properties window (F4).
2. Select the object whose properties you want to display. You can either use the mouse to select the object or use the Project Explorer to choose from a list.

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

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

To display the Immediate window

From the View menu, choose Immediate window (CTRL+G).

To execute code in the Immediate window

1. Type a line of code in the Immediate window.
2. Press ENTER to execute the statement.

Use the Immediate window to:

- Test problematic or newly written code.
- Query or change the value of a variable while running an application. While execution is halted, assign the variable a new value as you would in code.