Excel Assignment - 16

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

A macro is a set of instructions used to execute repetitive tasks. A macro is an action or a set of actions that you can run as many time as you want. If you have tasks in Microsoft Excel that you do repeatedly, you can record a macro to automate those tasks. Macro is defined as something that covers a large amount, or is large in size. An example of macro is the study of the key driving aspects of an economy; macro economics. An example of macro is a very close up photograph of an ant; a macro photograph.

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

excel?

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.

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

Steps to record a Macro in Microsoft Excel

1. On the View tab, in the Macros group, click the Macros command.
2. Click Record Macro .
3. In the Record Macro dialog box: ...
4. After clicking OK , every keystroke is recorded.
5. To stop recording, on the View tab, in the Macros group, click the Macros command and then click Stop Recording .

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

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. Microsoft Visual Basic for Applications (VBA) enables non-programmers to record, create, and edit macros that can automate tasks in Office applications

5. Briefly describe the interface of a VBA editor? What is properties

window? And what is watch window? How do you display these

windows?

Interfaces allow you to treat multiple different Classes that implement then as if they were defined as the same Class. In VBA Interfaces are also defined in a VBA Class module. There is no module called “Interface” Using Interfaces is an important aspect of OOP (Object Oriented Programming). The Properties window is used to display properties for objects selected in the two main types of windows available in the Visual Studio integrated development environment (IDE). These two types of windows are: Tool windows such as Solution Explorer, Class View, and Object browser.

The Watch Window makes it convenient to inspect, audit, or confirm formula calculations and results in large worksheets. By using the Watch Window, you don't need to repeatedly scroll or go to different parts of your worksheet.

Steps to display:

1. To display the Watch Window, select Formulas > Watch Window
2. To navigate the Properties window From the View menu of the Visual Basic Editor, choose Properties window (F4). 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.
3. What is an immediate Window and what is it used for?

The Immediate window displays information resulting from debugging statements in your code or from commands typed directly into the window. From the View menu, choose Immediate window .

Uses

* 1. Get info about the active workbook.
  2. Execute a line of VBA code
  3. Run a macro
  4. View Debug.print info
  5. Get or set a variable value