**Assignment 16**

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

* Macro is used to save time for running same process for repetitive work. So that we can save any process in macro and recall it whenever need. Also we can navigate to any row which is assigned to macro. So that whenever there is huge data set, we don’t have to scroll down.

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

**excel?**

* Visual Basic for Applications ( VBA ) It is automation tool used in excel. VBA is used to have all control of excel as per your way. You can make complex or long process short in VBA by giving some commands.

**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.**

* Go to the File tab
* select Customize Ribbon
* Check the Developer option in the right column
* Click ok
* Start Recording the Macro
* Enter a name for the macro
* Select the table cells you want to format.
* Right-click and choose "Format Cells"
* check the "Bold"
* Border tab and choose
* Click OK
* Stop Recording the Macro
* Click the "Run"

|  |  |
| --- | --- |
| **hi** | **78** |
| **hello** | **69** |
| **ineuron** | **45** |

1. **What do you mean when we say VBA Editor?**

* VBA Editor allows users to write, edit manipulate and control various aspects of the application. It provides tools for creating macros which take commands and work according to us. These macros can be triggered by specific events, like opening a document or clicking a button.

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

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

**windows?**

* Menu Bar and Toolbars : Actions like saving, running, and debugging code we can perform.
* Project Explorer : There are different modules and forms within each
* workbook or add-in.
* Code Window : you write and edit your VBA code
* Immediate Window :you can execute immediate commands and test code
* Properties Window: Properties window allows you to view and modify properties of those objects.
* Locals Window: While debugging, the Locals window shows you the values of variables and expressions in the current scope, helping you keep track of data as your code executes
* Toolbar for Running and Debugging: Actions like running your code, stepping through code, setting breakpoints, and debugging.

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

* The Immediate window allows you to quickly do things such as:
* Get information about Excel files (such as sheet count in a workbook or name
* of the workbook)
* Get Debug. Print information quickly.
* Run a line of code in seconds.
* Run a macro (or call a function)
* Get information about variables (or set the value or variables)