

Excel Assignment - 17

1. What are modules in VBA and describe in detail the importance of creating a module?

- **Standard modules** – code will go into this module. When macro is being recorded, it gets put into a standard module. When we write a general procedure to be used throughout your workbook, it also normally goes into a standard module.
- **Object modules** – these modules hold the code that is unique to that individual workbook or worksheet. Most of the code in these types of modules are known as EVENTS. An event can occur when a workbook is opened or closed for example, or when a sheet is clicked (the Click Event). The module can also contain code that is written by yourself and used by the events. The module behind a custom form that you create is also an Object module.
- **Class modules** – this module is used to create objects at run time.

2. What is Class Module and what is the difference between a Class Module and a Module?

Module stores the procedure and functions in private or public and they can be accessed only within the module if it is in private and can be accessible anywhere if it is in public. Modules are also stored variables, constants and declarations that will need to be accessed from anywhere within the project. Whereas in Class modules, we can create our own object which can have their own properties and methods.

3. What are Procedures? What is a Function Procedure and a Property Procedure?

- **Procedure** – It is a block of visual basic statement enclosed by declaration statement and a matching end declaration statement. All executable statements in VB must be within some procedure.
- **Function Procedure** – It is a series of VB statement enclosed by the function and end function statement. It performs a task and returns control to the calling code and as well as the value to the calling code.
- **Property procedure** – It is a series of VB statement that manipulate a custom property on a module, class or structure. It may also call as property accessors.

4. What is a sub procedure and what are all the parts of a sub procedure and when are they used?

It is a statement in VB enclosed by sub and End sub statements. The sub procedure performs a task and return the control to the calling code but it doesn't return the value of the calling code. Each time the procedure is called, the statements are executed, starting with the first executable statement, then sub statement and ended with the first end sub, exit sub or return statement. A sub procedure can take arguments like constants, variable or expressions which are passed to it by the calling code.

5. How do you add comments in a VBA code? How do you add multiple lines of comments in a VBA code?

By putting an apostrophe in front of the text, we can comment the code we want to and it will turn to non-executable code. To add the multiline comment, we can select all the lines or code we want and select the comment button from the toolbar. Or we can add apostrophe to eachline.