# Excel Assignment – 17

1. What are modules in VBA and describe in detail the importance of

creating a module?

In Excel VBA, there are four main types of modules:

- **Standard Code Modules**, which contain custom macros and functions.
- **Workbook And Sheet Code Modules**, which contain event procedures for the workbook, and worksheets and chart sheets.
- **User Forms**, which contain code for the controls on a User Form object.
- **Class Modules**, which contain Property Let, Get, and Set procedures for Objects that you create.

VBA module is a **". bcf" extension** file that holds the code in the visual basic editor. Each module has its own code window where you can write. You can insert a new module, delete, backup, and import it.

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

Module and a Module?

**Class Modules** allow a user to create their object just like how we have built-in items in standard modules like "Worksheets," "Workbooks" etc.

**Modules** are collections of methods and constants. They **cannot generate instances**.

**Classes may generate instances** (objects), and have per-instance state.

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

Procedure?

**Procedures** are steps or instructions for how to complete a project or task.

A **Function procedure** is a series of Visual Basic statements enclosed by the Function and End Function statements. The Function procedure performs a task and then returns control to the calling code. When it returns control, it also returns a value to the calling code.

A **property procedure** is a series of Visual Basic statements that allow a programmer to create and manipulate custom properties. Property procedures can be used to create read-only properties for forms, standard modules, and class modules.

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5. What is a sub procedure and what are all the parts of a sub procedure

and when are they used?

A **Sub procedure** is a series of Visual Basic statements enclosed by the Sub and End Sub statements that performs actions but doesn't return a value. A Sub procedure can take arguments, such as constants, variables, or expressions that are passed by a calling procedure.

Synatx :

```
Sub SubName[(parameterList)]
   ' Statements of the Sub procedure'.
End Sub
```

A sub procedure is usually used to accept input from the user, display information, print information, manipulate properties or perform some other tasks.

6. How do you add comments in a VBA code? How do you add multiple

lines of comments in a VBA code?

To add a comment in VBA, simply **add an apostrophe sign** before the line that you want to be marked as a comment.

Apostrophe', or "REM," has to be used on each line if the comments require more than one line.

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