--------------------------------------------EXCELL ASSIGNMENT NO 17------------------------------------------------

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

ANS: A module is the fundamental syntactic unit of VBA source code. The physical representation of a module is implementation dependent but logically a VBA module is a sequence of Unicode characters that conform to the VBA language grammars. A module consists of two parts: a module header and a module body.

 VBA module is where you type your Excel VBA computer code. Code is run in a VBA module to automate Excel tasks. Automated Excel tasks include formatting worksheets, processing data, creating charts, creating PivotTables, performing calculations, commanding databases...etc.

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

Class module in VBA can be defined as the module that helps to create your own objects with your own properties and methods like worksheets and range objectives of excel. In simple terms with the help VBA class module, we can create objects with own properties.

VBA modules are suitable for procedural programming and provide a collection of functions and procedures, while class modules allow encapsulation of data and behavior into objects, enabling object-oriented programming in VBA.

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

ANS: A procedure is defined as a named group of statements (a block) that are run as a unit. A VBA procedure is defined by a beginning declaration statement; Sub, Function, or Property; and an ending statement with statements in between. In a procedure, a statement is simply a complete line of code.

 Function procedure is a series of Visual Basic statements enclosed by the Function and End Function statements. A Function procedure is similar to a Sub procedure, but a function can also return a value.

 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?

ANS: A Sub procedure is a series of Visual Basic statements enclosed by the Sub and End Sub statements

A sub procedure can take two forms, i.e., private and public. The modifiers “private” and “public” allows users to use the subs differently. The private sub procedure can only be used in the current module. The public sub allows users to use the procedure in all modules present in the workbook

6) How do you add comments in a VBA code? How do you add multiple lines of comments in a VBA code?

ANS: Step 1: Click on the line where you want to insert a comment. Step 2: Type an Apostrophe( ' ) at the start of a line. Step 3: Write the comment you want

You can add multiple lines of code

* Step 1: Select the Statements from code.
* Step 2: Click on View -> Toolbars -> Customize
* [Step 3: From Customize Window Click on Commands -> Edit, then select Comment Block](https://www.wallstreetmojo.com/vba-comment-block/#h-step-3-from-customize-window-click-on-commands-edit-then-select-comment-block)

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