

Excel Assignment - 17

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

Modules are placeholders where you can write code that is accessible by any part of the Office application the module belongs to. For example, if you have a Form you can write VBA code that applies/functions on that form and that form only.

Code Modules allow us to store regular macros (sub procedures) and functions (User Defined Functions, UDFs). This is the typical place we start writing and storing our macros. The macro recorder also creates code in a code module.

1. 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.

VBA module is a container for code that can be used to create functions and procedures. It is typically used for organizing code into logical units. On the other hand, a class module is a special type of module that allows you to create custom objects with their own properties, methods, and events.7 Jun 2

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

A procedure is a set of instructions that Excel follows to perform a specific task. Procedures can be written in VBA (Visual Basic for Applications), which is a programming language used by Excel. VBA allows you to automate tasks, create custom functions, and interact with other applications.

A 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.

A **Function** procedure can take arguments, such as constant, variables, or expression that are passed to it by a calling procedure. If a **Function** procedure has no arguments, its **Function** statement must include an empty set of parentheses. A function returns a value by assigning a value to its name in one or more statements of the procedure.

In the following example, the **Celsius** function calculates degrees Celsius from degrees Fahrenheit. When the function is called from the **Main** procedure, a variable containing the argument value is passed to the function. The result of the calculation is returned to the calling procedure and displayed in a message box.

1. What are Procedures? What is a Function Procedure and a Property Procedure?
2. 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.

A Sub procedure is a series of Visual Basic statements enclosed by the Sub and End Sub statements. The Sub procedure performs a task and then returns control to the calling code, but it does not return a value to the calling code.

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

* Click on the line where you want to insert a comment.
* Type an Apostrophe(‘ ) at the start of a line.
* Write the comment you want.
* Press Enter and you fill find the comment written to be

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

* In VBA Menu click View
* Choose Toolbars -> Edit.
* New Icon toolbar will be displayed.
* Click on highlighted icons to comment or uncomment multiple lines of code.