

Excel Assignment - 17

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

Ans. In VBA, modules are containers for storing code that performs specific tasks. The importance of creating a module in VBA is that it allows you to write code that can be reused in multiple parts of your program. For example, if you have a task that needs to be performed in several different parts of your program, you can create a module that contains the code for that task, and then call that module from each of the places where the task needs to be performed. This can save you time and effort by allowing you to write code once and use it in multiple places.

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

Ans. In VBA, a Class Module is a type of module that allows you to define a new class, which is a custom data type that can contain properties, methods, and events. The main difference between a Class Module and a regular Module is that a Class Module defines a new data type, while a regular Module does not. In a Class Module, you can define properties, methods, and events that are specific to the class you are defining.

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

Ans. In VBA, procedures are blocks of code that perform a specific task. There are two types of procedures: Sub procedures and Function procedures. Function procedure, on the other hand, is a block of code that performs a specific task and returns a value. It is typically used for performing calculations or returning information to your program. Property procedures are used for getting or setting the value of a property of an object. In other words, they allow you to define the behavior of a property when it is read or written.

4. 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 block of code that performs a specific task, but does not return a value. It is typically used for performing actions or manipulating data within your program. For example, you could create a Sub procedure that sorts a list of values, or that prints a message to the screen.

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

Ans. To add a comment to a single line of code in VBA, you can use the apostrophe (') character. Anything after the apostrophe on that line will be treated as a comment and will be ignored by the compiler. To add multiple lines of comments in VBA, you can use the Rem keyword to begin each line of the comment.