

Daimilkumar bharatbhai patel

daimilpatel@gmail.com

7600350858

Advance Excel Assignment 17

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

Ans:- 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.

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

Ans:- Class Modules **allow a user to create their object** just like how we have built-in items in standard modules like "Worksheets," "Workbooks," "Range," and so on. Like this using a class module, we can create custom objects. The class has a direct relationship with objects.

A class is more of a unit, and a module is essentially a loose collection of stuff like functions, variables, or even classes. In a public module, classes in the project have access to the functions and variables of the module. You don't have to specify the module name to address one

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

Ans:- A procedure is **a method for completing something with steps and instructions for each aspect of the task**. Procedures often stay consistent once they're established to maintain a general understanding of what employees should do in various circumstances.

Both of these are concepts used in computer programming languages. However, there is a significant difference between function and procedure. In this article, we are going to discuss the same.

The functions calculate the results of a program on the basis of the given input. A function would return the returning value/control to the code or calling function. The procedures perform certain tasks in a particular order on the basis of the given inputs. A procedure, on the other hand, would return the control, but would not return any value to the calling function or the code.

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. 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.

Each time the procedure is called, its statements are executed, starting with the first executable statement after the sub statement and ending with the first End Sub, Exit Sub, Or Return statement encountered.

You can define a sub procedure in modules, classes, and structures. By default, it is `Public`, which means you can call it from anywhere in your application that has access to the module, class, or

structure in which you defined it. The term *method* describes a Sub or Function procedure that is accessed from outside its defining module, class, or structure. For more information, see [Procedures](#).

A sub procedure can take arguments, such as constants, variables, or expressions, which are passed to it by the calling code.

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

lines of comments in a VBA code?

Ans:-Steps you need to follow to add a comment in a VBA code:

- First, click on the line where you want to insert the comment.
- After that, type an APOSTROPHE using your keyboard key.
- Next, type the comment that you want to add to the code.
- In the end, hit enter to move to the new line and the comment will turn green.

he easiest way is to select all the lines and then use the comment button from the toolbar or you can also add an APOSTROPHE at the starting of each line.