**Excel Assignment – 17**

1. What are Modules in VBA and why are they important?

Answer:- A Module in VBA is a container that holds procedures, functions, and declarations of variables. It’s where you write most of your VBA code that doesn’t belong to a specific object. The Importance of Modules are as followings:-

It organizes reusable code.

Separates logic into manageable blocks

Makes debugging and editing easier

Encourages modular programming

Can be copied or reused across workbooks

2. What is a Class Module and how is it different from a Module?

Answer:- A Class Module allows you to create your own custom objects with properties, methods, and events similar to classes in object oriented programming.

The differences of Class module and module has been listed below:-

|  |  |  |
| --- | --- | --- |
| **Feature** | **Module** | **Class Module** |
| Purpose | Holds general procedures/functions | Defines custom objects |
| Usage | Used for macros, calculations, etc. | Used for creating object-oriented designs |
| Code Access | Code is accessed directly | Code is accessed via object instances |
| Example | Sub Calculate() | Class: Employee with Name, Salary |

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

Answer:- A Procedure is a block of VBA code that performs a task. A Function Procedure returns a value and can be used in formulas like Excel functions. A property procedure is used in Class Modules to define properties of objects and acts like variables but with control logic (e.g., validation).

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5. What is a Sub Procedure? What are its parts and when is it used?

Answer:- A Sub Procedure performs actions but doesn’t return a value (unlike a Function). The parts of sub procedure are keywords,procedure name, paraneters, codeblock. It is used for actions like formatting, sending emails, updating cells, etc.

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

Answer:- We can add comments in a VBA code using a single quote before comment.and for multiples we need to add a single quote at the start of each line you wish to comment.

' This is the srijana of a comment

' This is the your comment

' This is the my comment