

Sub Procedures II

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How to Get a Value Back from a Sub Procedure?

- When an argument is a variable, it can be ***passed by reference*** to a Sub procedure, so the value of that variable may change as a result of executing the Sub procedure
- The variable can also be ***passed by value***. In order to achieve that, its name must be enclosed in an extra pair of parentheses in the Call statement:

Call Triple((amt))

Local Variables

- As soon as the End Sub statement for the procedure executes, the memory allocated to hold the value of a *local variable* is freed up.

Form-Level Variables

- The Dim statements for *form-level variables* appear at the top of the Code window. The form-level variables are visible to every procedure in a form's code.

Advantages of Using Sub Procedures

- Programs with Sub procedures are easier to debug
- Sub procedures can be reused. (*Libraries* of Sub procedures are very useful.)
- The Sub procedure mechanism helps distribute work among several programmers
- Sub procedures make large programs easier to understand
- Sub procedures enable top-down design