

Part I - True/False - Circle the False exercises.

1. The keyword Dim is used in the declaration statement for a module-level variable.
2. A Static variable has a wider scope than a local variable.
3. A variable's visibility is determined by the number of procedures and functions where it can be used without compile errors.
4. The number 4 in `strListOfNames(4) = "Jane"` is a subscript.
5. Programmers should use module-level variables instead of local variables when possible.
6. In VB, the first position of an array has a subscript of zero.
7. It is not possible to use an array of String values in VB.
8. Arrays are also known as lists.
9. A module-level array cannot contain more than 10 elements.
10. The purpose of a general procedure is to "do something" rather than to compute and return a single value.
11. An event procedure can call a function.
12. A parameter list is found in the header of a function.
13. A return value's data type is indicated at the very end of a general procedure's header.
14. A good purpose for a general procedure would be to move a command button across the screen

Part II – Neatly answer the following as completely as possible on lined paper. Use proper indentation and logical variable names. You do not have to add comments to your code segments though. If I cannot read your handwriting you will lose points.

1. Write an assignment statement that assigns the value 10 to subscript position 5 of an array named `intArray`.
2. Write a statement that calls a function named `intFindBiggest` and stores the returned integer value into a variable named `intTemp`.
3. Write a complete event procedure named `cmdClick_Click` that allows the user to input exactly 5 integers into a local array named `intTemp`. The average of all of the values inputted into the array must be displayed in the caption of a label named `lblOutput`. Use one or more loops as efficiently as possible. Use an `InputBox` statement to allow the user to input the 10 values. The event procedure should compute the average itself without calling any other procedures or functions.
4. Write a general procedure named `MakeBeeps` that makes the computer beep as many times as the value of the integer parameter that is passed to it. Use the parameter name `intNum` for the integer value that is passed by value.
5. Write a complete program that allows the user to click a command button named `cmdClick`. When the command button is clicked, the user should see the command button move 20 pixels to the left. You can assume that the command button is in the middle of the screen. The `cmdClick` event procedure must call a procedure named `MoveLeft` and pass the command button as a parameter. You should pass the command button by reference and not by value (i.e. `ByVal`). The general procedure `MoveLeft` should do the actual moving of the command button.
6. In an essay, explain the computer science algorithm known as a sequential search. Give an example of what it could be used for and explain the basic idea using pseudocode.