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Continuing Education Course #178
Programming MS Excel in Visual Basic (VBA)
Part 4-Error Handling, Arrays, Dialog Boxes, Charts

1. What is a dialogue box?

- a. A procedure that includes message boxes.
- b. Another type of message box.
- c. A secondary window that enables an application to retrieve input from the user.

2. Study the following code.

```
intValue = InputBox("Enter an integer value: ", "Data Entry")
```

The title of the input box is

- a. DATA ENTRY.
- b. Data Entry.
- c. This input box will not have a title.

3. File and folder dialog boxes have various choices to present to the user, based on manipulating what?

- a. The *FileDialog* object.
- b. The dialog box
- c. The built-in command buttons.

4. The *msoFileDialogOpen* version of the *FileDialog* object

- a. enables a user to select one or more files to open
- b. enables a user to select a path to a folder
- c. enables a user to select a path to one or more files, but will not open the file(s)

5. The *msoFileDialogFolderPicker* version of the *FileDialog* object

- a. enables a user to create a new folder
- b. enables a user to select a path to a folder
- c. enables a user to delete an existing folder

6. The *msoFileDialogFilePicker* version of the *FileDialog* object

- a. enables a user to select one or more files to open
- b. enables a user to select a path to one or more files, but will not open the file(s)
- c. enables a user to delete an existing file

7. The *msoFileDialogSaveAs* version of the *FileDialog* object

- a. enables a user to delete a file
- b. enables a user save a file
- c. enables a user to select a location to save a file to

8. An individual value in an array is called

- a. An argument.
 - b. An element.
 - c. An vector.
9. The statement *Dim arrVolumes(10) As Double*, declares
- a. an array called *arrVolumes* which contains 10 elements of the double data type
 - b. an array called *arrVolumes* which contains 9 elements of the double data type
 - c. an array called *arrVolumes* which contains 11 elements of the double data type
10. The following assignment *arrVolumes(5) = 6.53* means that
- a. element 5 of the array *Volumes* is assigned a value of 6.53
 - b. element 4 of the array *arrVolumes* is assigned a value of 6.53
 - c. element 5 of the array *arrVolumes* is assigned a value of 6.53
11. The statement *Dim arrTestResults(15, 4) As Double*, declares an array with
- a. 15 rows and 4 columns
 - b. 5 rows and 16 columns
 - c. 16 rows and 5 columns.
12. In which of the following scenarios would it be applicable to use a dynamic array?
- a. An array storing the test scores of students in an engineering class.
 - b. An array storing the bonuses of corporate employees.
 - c. An array storing ongoing daily sales transactions for a retail store.
13. Study the following code.
- ```
For Each i In arrTestArray()
arrTestArray(i) = i * 2
Next
```
- The value of *arrTestArray(5)* equals
- a. 5
  - b. 2
  - c. 10
14. The process of identifying and addressing errors in the code is called
- a. error handling
  - b. debugging
  - c. error checking
15. Incomplete conditional statements, undeclared variables, and omission of required keywords in the code will result in a
- a. language error
  - b. compiler error
  - c. debug error
16. Situations that cause an executing program to abruptly terminate result in a
- a. logic error
  - b. run-time error
  - c. fatal error
17. A program is executing normally but it is noticed that the results are being output to an unintended spreadsheet. What type of error is most likely to be the reason for this behavior?

- a. copying error
  - b. logic error
  - c. run-time error
18. *On Error Goto 0* is added at the top of a sub procedure. If an error is detected during run-time, what will happen?
- a. a standard built-in Excel VBA error message will be displayed to the user.
  - b. nothing will happen the program will keep going
  - c. the program terminates and the VBA environment is shut down
19. *On Error Resume Next* is added at the top of a sub procedure. If an error is detected during run-time, what will happen?
- a. code execution will resume on the next line of executable statements after the error line.
  - b. a standard built-in error message will be displayed to the user.
  - c. the offending code will be fixed by the program and code execution will resume on the next line
20. *On Error GoTo ErrLine:* is added at the top of a sub procedure. If an error is detected during run-time, what will happen?
- a. the program corrects the problem and resumes execution after the line label *ErrLine:*
  - b. code execution will resume after the line labeled *ErrLine:*
  - c. a standard built-in error message will be displayed to the user.
21. If *On Error GoTo ErrLine:* is used, the code after the line label to which execution is transferred is called the
- a. transfer code
  - b. error handling block
  - c. error transfer block
22. If *On Error GoTo ErrLine:* is used, once execution has been transferred to an error handling block, the program can exit the error handling block by means of a
- a. Conditional statement
  - b. Resume statement
  - c. A Resume statement or exiting the procedure
23. Charts and graphs that can be created in VBA include?
- a. None, VBA does not support graphing techniques.
  - b. Venn diagrams, probability plots.
  - c. Scatterplot, pie chart, bar chart.
24. The VBA syntax to create an empty graph is
- a. *Graph.Add*
  - b. *Charts.Add*
  - c. *Load ChartObject*
25. An advantage of the *With .... End With* statement is
- a. there are no advantages.
  - b. a series of statements can be performed on an object without repeating the name of the object multiple times.
  - c. It can used as an alternate to a *For loop*.

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