

Debugging Techniques

VBA Code debugging basics

Built in

- Choose Debug instead of End from Message box showing Error

Why?

- Verify pieces of your code are running
- Verify desired variables contain correct information at specific points
- Test a function with the immediate window

Breakpoints

- Click on grey bar to the left of the code line you want to break on
- Debug – Clear All Breakpoints (CTRL+SHIFT+F9)

Stepping Through Code

- Step Into
- Step Over
- Step Out
- Set Next
- Show Next



VBA Code debugging - a bit more

Integrated Development Environment

- Shift F2 (see where it is defined)
- CTRL Shift F2 (go back to where you were)
- F5 to run a proc
- F8 to step into line-by-line

Debugging Views

- Call Stack (CTRL L)
- Immediate Window (CTRL G)
- Locals Window
- Watch Window

Debug object

- Debug.Print
- Debug.Assert
- Stop

Debugging Techniques



Debugging Techniques

Error Handling Settings

Basics

Deciding NOT to trap an error

Resetting an error

Error numbers & what they mean

Line Numbers & Procedure names

Screen Prints



Debugging Techniques

Upcoming sessions

Nov 28

Interpreting the .laccdb (locking) file

Dec 26

Securing your Access Application

Jan 30

Queries



Debugging Techniques

Helpful links:

<http://www.fmsinc.com/tpapers/vbocode/debug.asp>

http://www.fmsinc.com/MicrosoftAccess/Errors/ErrorNumber_Description.html

<http://www.fmsinc.com/MicrosoftAccess/VBACodingTools.html>

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