

VBA Introduction



A one day course for people highly experienced with Microsoft Access, Excel or Word

Prerequisites

This course is a general introduction to VBA programming. It assumes the student to be very familiar with the normal operation of the Application.

Chapter 1 - Getting Started

- What is VBA?
- Open the VBA Editor
- Create a Module
- Create a New Subroutine
- Add Commands
- Run the Subroutine
- Save the File

Chapter 2 - Security

- Open a File Containing Code
- Create a Digital Signature
- Digitally Self-Sign a File
- Add the Publisher to the Trusted List
- Install Certificates
- Remove Trusted Publishers

Chapter 3 - Using the VBA Editor

- Run Code in the VBA Window
- Step Through Code
- Step Over Code
- Set a Break Point
- Comment Code
- IntelliSense and AutoComplete
- Getting Help
- The Project Explorer and Properties Window

Chapter 4 - Variables

- What is a Variable?
- Naming Variables
- Store a Value in a Variable
- Why Should I Declare Variables?
- Procedure-Level Declarations
- Module-Level Declarations
- Global-Level Declarations
- Static Declarations
- Option Explicit
- Declaring Data Types
- Recognise Errors From Declaring Variables

Discover the Current Value of a Variable

Chapter 5 - Interactions With The User

- Interacting With the User
- MsgBox as a Method
- MsgBox as a Function
- Message Box using Numerical Constants
- The InputBox Function
- Long Messages

Chapter 6 - Making Decisions

- A Note On Indenting
- Line If
- Block If
- ElseIf and Else
- Select Case

Chapter 7 - Looping

- For/Next Iterations
- For/Next Stepped Iterations
- Do/Loop With Initial Test
- Do/Loop With Final Test

Chapter 8 - Error Handling

- Run-time Errors
- Add a Simple Stop
- The Err Object
- Exit Sub
- Error Handling with Another Sub
- Resuming