Visual Basic for Excel
Suitable for versions 2007, 2010, 2013 and 2016

One Day Course

Course Aims
If there are tasks and processes around data stored in Excel you want to automate, then this course is ideal. This course will offer a structured approach to learning and writing code.

Assumed Knowledge

You need to be an experienced user of Excel and ideally have used the recording process to create basic macros.

Course Outline

Introduction
- Recording & Running a Macro
- Relative References

Assigning Macros to Buttons and Objects
- Assigning a Macro to a Button or a Drawn Object on a Sheet
- Assigning a Macro to a Button on a Toolbar
- Creating and customising a Toolbar
- Button Image Editor
- Changing a Button's Screen Tip

Editing Macros
- Visual Basic Editor
- Project Explorer
- Procedures, Inserting Comments
- Printing a Visual Basic Module

The Range Object
- Cells & Range Method, Flexible Ranges
- Virtual Worksheets, Range Contents

Workbooks and Sheets
- Activating a Workbook & Worksheet

Objects, Properties & Methods
- Controlling Objects with their Properties
- Performing Actions with Methods
- Performing Multiple Actions on an Object

Variables and Constants
- Variables, Data Types & Constants

Control Structures
- Conditional & Looping Control Structures
- Non-Structured Statements
- Sub Procedures

Controls Dialogue Boxes and Forms
- Built-In & Predefined Dialogue Boxes
- Custom, Worksheet & User Defined Forms
- Adding Form Controls and their properties
- Control & Dialogue Box Events
- Displaying & Dismissing a User Form

Storing Information
- The Windows Registry

Toolbars & Display
- About Toolbars & Menus

Debugging & Error trapping
- Errors, Break Mode: Instant Watch
- Stepping & Error Handling

Worksheet & Workbook Events

Function Procedures
- User Defined Functions

Appendix A - Naming Conventions
- User Form Controls
- Memory Variables

Related courses: Access Intermediate; Visual Basic for Access

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