



Microsoft Access 2007 Programming in VBA

General Description	This course is intended for people who wish to improve their knowledge and skills in the use of Visual Basic for Applications to program applications in Microsoft Access 2007.
Learning Outcomes	<p>At the completion of Microsoft Access 2007 Programming in VBA you should be able to:</p> <ul style="list-style-type: none"> • be familiar with the basics of developing applications in Access 2007 • create and convert macros into VBA • make Access start up with the form you select • create subroutines • understand how to use variables to generate an output • understand and create input boxes and message boxes • create and use decision-making programs • create and use programming loops • understand and use the DoCmd object • recognise and understand many ADO techniques • use ADO to work with forms and recordsets • apply a range of debugging tools to your application • replace obscure error messages with meaningful ones
Target Audience	This course aims to increase your productivity by providing the skills and knowledge to use VBA to program in Microsoft Access 2007.
Prerequisites	Microsoft Access 2007 Programming in VBA assumes little or no knowledge of the software. However, it would be beneficial to have a general understanding of personal computers and the Windows operating system environment.
Pages	138 pages
Nominal Duration	Levels publications are based around a 1.5 days training program from 9.30am to 4.30pm on the first day and 9.30am to 12.30pm on the second.
Student Files	All student files will be available to use during the training day and also after the training through the F1plus online workroom.
Methodology	The In Focus series of publications have been written with one topic per page. Topic sheets either contain relevant reference information, or detailed step-by-step instructions designed on a real-world case study scenario.
After training support	All the training material will be available for the delegate to use after the training day through our online workroom. Delegates will also have access to our online interactive course on this topic.

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Development Basics

- Understanding The Development Environment
- Understanding Splitting Databases
- Linking To Data Files
- Maintaining Links
- Using The Database Splitter
- Using Queries For Reports And Forms
- Developing Systems For Other Users

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- Understanding Macros
- Creating Macros
- Assigning Macros
- Creating More Complex Macros
- Creating Complex Macros
- Converting Macros To VBA

VBA Essentials

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- The VBA Editor Window
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- Viewing The Code Behind Forms
- Standard Code Modules
- Understanding Modules II
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- Understanding Naming Conventions II

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- Understanding The IF Statement
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Understanding For Loops

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- Working With Counters
- Creating An Until Loop
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The DoCmd Object

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- Filtering Records With DoCmd
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- Populating A Form Using ADO
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ADO Forms And Recordsets

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- Adding A New Record

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- Understanding Debugging
- Setting A Breakpoint
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- Stepping Through A Procedure
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- Using Locals And Immediate Windows
- Adding A Watch



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Common Errors

Understanding The On Error
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Simple Error Handling

Using The Err Object

Using The Resume Statement

Using Decision Structures In Error
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Forcing An Error

Defining Custom Errors

Working With Errors

Working With Errors II

Concluding Remarks

F1plus
111 Gallowgate
ABERDEEN
AB25 1BU
01224 619780

Product Information