

Microsoft Access 2013



Module 2 (with Challenge Exercises)

Product Code: INF1398 ISBN: 978-1-925179-54-5

General Description The skills and knowledge acquired in *Microsoft Access 2013 - Module 2 (with Challenge Exercises)* are sufficient to be able to create database systems; enter, edit and delete data in database files; modify and format tables; sort and validate the data; generate queries on the data; and produce information in forms and reports.

Learning Outcomes At the completion of this course you should be able to:

- design a relational database project
- create a relational database file with multiple tables
- · set table relationships and join tables together
- export records to and import records from a wide variety of sources and applications
- create queries based on one or more tables
- create and use parameter queries
- create calculated queries
- create and work with aggregation queries
- create and use a series of action queries
- modify and adapt an existing form according to specific needs
- create forms using a combination of wizards and manual techniques
- create and use macros in Access
- work with a number of macro techniques
- create and work with macros in forms
- understand and use a variety of tools that ensure the wellness of your database files
- create some simple programming code using VBA

Prerequisites

Microsoft Access 2013 - *Module* 2 (with Challenge Exercises) assumes that you can use Microsoft Access 2013 to create a database file, store and manage data.

Topic Sheets

178 topics

Methodology

The InFocus 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. Publications can be used for instructor-led training, self-paced learning, or a combination of the two.

Formats
Available

A4 Black and White, A5 Black and White (quantity order only), A5 Full Colour (quantity order only), Electronic Licence

Companion Products There are a number of complementary titles in the same series as this publication. Information about other relevant publications can be found on our website at **www.watsoniapublishing.com**.

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Practice Exercise Sample

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Creating A New Database File
Creating Lookup Tables
Defining A Primary Key
Saving And Closing A Table
Creating The Expense Type Table
Creating The Transactions Table
Creating The Details Table
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Practice Exercise

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Understanding Lookup Relationships
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Multi Table Queries

Understanding Relational Queries

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Practice Exercise

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Calculations in Queries

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Aggregation Queries

Creating An Aggregation Query
Working With Aggregation Queries
Multiple Aggregations
Modifying Aggregation Headings
Aggregating Calculated Fields
Applying Criteria To Aggregates
Understanding Nested Queries
Creating An Assembly Query
Creating The Nesting Query
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Action Queries

Creating A Make Table Query Using A Make Table Query Understanding Expressions And Update Queries Preparing An Update Query Running An Update Query Updating Using Expressions Running An Expression-Based Update Creating A Delete Query Running A Delete Query Creating An Append Query Running An Append Query Turning Action Messages Off Practice Exercise Practice Exercise Sample

Modifying Forms

Understanding Form Design And Layout Switching Between Form Views Selecting Form Objects Working With A Control Stack **Changing Control Widths** Moving Controls On A Form Aligning Controls **Understanding Properties Changing Label Captions** Adding An Unbound Control Adding A Control Source Formatting A Control Checking The Current Tab Order Changing The Tab Order Inserting The Date Into The Form Header Practice Exercise **Practice Exercise Sample**

DIY Forms

Creating A Multiple Item Form
Adjusting The Layout Of A Form
Typing Into A Form Layout
Disabling Fields
DIY Sub Forms
Removing SubForm Redundancy
Splitting And Merging Layout Cells
Adding An Easy Lookup Field
Adding Buttons To A Form
Adjusting Form Properties
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Table Queries



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Creating and Using Macros

Understanding Macros And VBA
Creating A Macro
Running A Macro
Modifying An Existing Macro
Interacting With The User
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Documenting Macros
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Macro Techniques

Creating A Print Macro
Using Conditions To Enhance A
Macro
Creating A Sequence Of Conditions
Understanding The Versatility Of
MsgBox
Using The MsgBox Function
Reconfiguring A Message Box
Using The InputBox Function
Practice Exercise
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Macros on Forms

Understanding Macros On Forms Creating Navigation Macros Accessing Event Macros Creating Unassigned Buttons Programming An Event Running An Event Macro Modifying An Event Macro Setting Echo Off Adding A Close Button Creating A Search Macro Running The Search Macro Understanding The Search Macro **Naming Macros Referencing Macro Sheet Macros Practice Exercise Practice Exercise Sample**

Database Wellness

Compacting And Repairing A
Database
Understanding Database Splitting
Using The Database Splitter
Managing Linked Tables
Checking Object Dependencies
Analysing Database Performance
Documenting A Database
Practice Exercise

Practice Exercise Sample

An Introduction to VBA

Understanding VBA
Coding VBA For An Event
Running VBA Event Code
Understanding MsgBox And InputBox
Modifying An Existing Procedure
Understanding The Modified Code
Creating A Standard Module
Loan Simulator Code
Running The Code
Understanding The Loan Simulator
Code
Creating A Button For The Simulator
Attaching The Simulator Code
Practice Exercise
Practice Exercise Workspace



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