

INFOCUS COURSEWARE

BSBITU311 Use Simple Relational Databases

Microsoft Access 2016



Product Code: INF1843

ISBN: 978-1-925873-20-7

 General Description 	This publication has been mapped to the BSBITU311 - Use Simple Relational Databases competency. It applies to individuals that may provide administrative support within an enterprise, or may be independently responsible for storage and retrieval of data relating to their own work roles.	
Learning Outcomes	At the completion of this course you should be able to: understand how <i>Access</i> is used and how to navigate around it design a database with lookup tables create a database structure using <i>Access</i> modify the structure of an existing table add records to a new table add transactional records to a lookup database work with the records in a database table format the data in a table sort and filter records in a table create simple and effective queries perform more advanced queries using a variety of querying techniques create and use parameter queries create and work with aggregation queries create and work with aggregation queries create and use forms work safely with your computer, consider your impact on the environment and manage files and folders efficiently	
Prerequisites	BSBITU311 Use Simple Relational Databases assumes little or no knowledge of Microsoft Access 2016. However, it would be beneficial to have a general understanding of personal computers and the Windows operating system environment.	
Topic Sheets	196 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 <i>www.watsoniapublishing.com</i> .	



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Contents

Getting to Know Access 2016

- Understanding Microsoft Access 2016
- Starting Access From the Desktop Understanding the Start Screen Creating a New Blank Database Understanding the Backstage View Opening an Existing Database File Understanding the Access 2016 Screen Working With the Navigation Pane Working With the Navigation Pane Working With Touch Mode Working With Touch Mode Working With Other Database Objects
- Closing a Database File Exiting From Access 2016 Challenge Exercise Challenge Exercise Sample

Designing a Lookup Database

Understanding How Access Stores Data Understanding Access 2016 Data Types Scoping Your New Database Identifying Table Problems Refining Table Structures Finalising the Design Challenge Exercise Challenge Exercise Workspace

Creating a Lookup Database

Creating a New Database File Creating the Lookup Table Defining the Primary Key Saving and Closing a Table Creating the Transaction Table Understanding Lookup Table Relationships Connecting to a Lookup Table Viewing Table Relationships Challenge Exercise Challenge Exercise Sample

Modifying Table Structures

Opening an Existing Table Adding Fields to an Existing Table Understanding Field Properties Changing Field Size Changing Field Names Changing Decimal Places Changing Date Formats Indexing Fields Deleting Fields From a Table Copying a Table Within a Database Deleting a Table From a Database File Challenge Exercise Challenge Exercise Sample

Adding Records to a Table

Typing Records in a Table Adding Records Using a Form Saving a Form Layout for Reuse Adding Records Using an Existing Form Adding Additional Records Importing From Microsoft Excel Challenge Exercise Challenge Exercise Data

Adding Transactional Records

Typing Transactional Records Adding Transactional Records Using a Form Adding Additional Transactional Records Adding Records Using a Subdatasheet Removing a Subdatasheet Inserting a Subdatasheet Challenge Exercise Challenge Exercise Data

Working With Records

Table Navigation Navigating to a Specific Record Editing a Record Deleting Record Data Undoing a Change Deleting a Record Deleting Several Records Searching in a Table Searching in a Field Finding and Replacing Printing Records From a Table Compacting a Database

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Formatting Tables

Changing Column Widths Formatting Cells in a Table Changing Fonts Moving Columns in a Table Freezing Columns in a Table Hiding Columns in a Table Unhiding Columns Challenge Exercise Challenge Exercise Sample

Sorting and Filtering

Simple Sorting Sorting on Several Fields Simple Filtering Working With Filters Filtering Between Dates Challenge Exercise Challenge Exercise Workspace

Creating Queries

Understanding Queries Creating a Query Design Working With a Query Changing a Query Design Applying Record Criteria Clearing Selection Criteria Saving a Query Running Queries From the Navigation Pane Deleting a Query Creating Additional Queries Challenge Exercise Challenge Exercise Sample

Querying Techniques

Modifying a Saved Query Creating AND Queries Creating OR Queries Querying Numeric Data Querying Dates Using a Range Expression Querying Opposite Values Moving Fields in a Query Sorting Query Data Removing Fields From a Query Querying Using Wildcards



BSBITU311 Use Simple Relational Databases

Challenge Exercise Sample

Creating and Using Forms

Binding a Form to a Query

Editing Records in a Form Deleting Records Through a Form

Working With Existing Forms

Deleting an Unwanted Form

Challenge Exercise Sample

Setting Up an Ergonomic

Reducing Paper Wastage

Backup Procedures

Challenge Exercise

General Computer Operation

Risks and Hazards in the Office

Environmentally Friendly Computing

Challenge Exercise Workspace

Understanding Forms

Creating a Basic Form

Creating a Split Form

Using the Form Wizard

Challenge Exercise

Workstation Breaks and Exercises

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Problem Characters Querying With a Lookup Table Sorting Query Data Numerically Displaying NULL Values Querying for Uniqueness Challenge Exercise Challenge Exercise Sample

Parameter Queries

Creating a Parameter Query Displaying All Records Using Parameters to Display a Range Using Parameters in Expressions Using Parameters With Wildcards Challenge Exercise Challenge Exercise Sample

Calculations in Queries

Creating a Calculated Field Formatting Calculated Fields Summarising Data Using a Query Changing the Grouping Calculating With Dates Using Criteria in Calculations Concatenating String Fields Challenge Exercise Challenge Exercise Sample

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 Challenge Exercise Challenge Exercise Sample

Creating and Using Reports

Understanding Reporting in Access Creating a Basic Report Working With Existing Reports Previewing and Printing a Report Changing the Report Layout Using the Report Wizard Creating a Grouped Report Creating a Statistical Report Working With Grouped Reports Challenge Exercise



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Unit Mapping

This unit describes the skills and knowledge required to create simple two-table relational databases with reports and queries, for the storage and retrieval of information.

	Performance Criteria	Location
1	Create a simple database	
1.1	Plan a simple one-to-one relational database, using a database application, basic design principles, software functions and simple formulae	Chapter 2: Designing a Lookup Database
1.2	Develop a table with fields and attributes according to database usage, as well as data considerations and user requirements	Chapter 3: Creating a Lookup Database
1.3	Create a primary key for each table	Chapter 3: Creating a Lookup Database
1.4	Create a relationship between the two tables by assigning a foreign key	Chapter 4: Modifying Table Structures
1.5	Modify table layout and field attributes as required	Chapter 3: Creating a Lookup Database
1.6	Check and amend data entered, in accordance with organisational and task requirements	Chapter 5: Adding Records to a Table, Chapter 6: Adding Transactional Records, Chapter 7: Working With Records
2	Create reports and queries	
2.1	Identify information output, database tables to be used and report layout, in accordance with task requirements	Chapter 10: Creating Queries
2.2	Identify data groupings, search and sort criteria, in accordance with task requirements	Chapter 10: Creating Queries, Chapter 11: Querying Techniques, Chapter 12: Parameter Queries, Chapter 13: Calculations in Queries, Chapter 14: Aggregation Queries, Chapter 15: Creating and Using Reports
2.3	Run reports and queries to check that results and formulae provide the required data	Chapter 13: Calculations in Queries, Chapter 14: Aggregation Queries, Chapter 15: Creating and Using Reports
2.4	Modify reports to include or exclude additional requirements, where necessary	Chapter 15: Creating and Using Reports
3	Use database	
3.1	Ensure data input meets designated timelines and organisational requirements for speed and accuracy	Generally assumed throughout. Can be tested through the end of chapter exercises
3.2	Use help functions to overcome simple issues with database design and production	Chapter 2: Designing a Lookup Database
3.3	Preview, adjust and produce database reports or forms in accordance with organisational and task requirements	Chapter 15: Creating and Using Reports, Chapter 16: Creating and Using Forms
3.4	Name and store databases, in accordance with organisational requirements, and exit application without data loss or damage	Chapter 3: Creating a Lookup Database, Chapter 17: General Computer Operation
3.5	Prepare and distribute reports to appropriate personnel in a suitable format	Chapter 15: Creating and Using Reports



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