



INFocus COURSEWARE

BSBITU301 Create And Use Databases

Microsoft Access 2016



Product Code: INF1743

ISBN: 978-1-925526-71-4

❖ General Description

This publication has been mapped to the **BSBITU301 - Create And Use 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 **Access** is used and how to navigate around it
- design a database with lookup tables
- create a database structure using **Access**
- 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 calculated queries
- create and work with aggregation queries
- create meaningful reports from tables
- create and use forms
- work safely with your computer, consider your impact on the environment and manage files and folders efficiently

❖ Prerequisites

BSBITU301 Create And Use 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 www.watsoniapublishing.com.



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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 Touch Mode
- Working With a Table
- 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

- Challenge Exercise
- Challenge Exercise Sample

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



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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

Challenge Exercise Sample

Creating and Using Forms

Understanding Forms
Creating a Basic Form
Creating a Split Form
Binding a Form to a Query
Using the Form Wizard
Working With Existing Forms
Editing Records in a Form
Deleting Records Through a Form
Deleting an Unwanted Form
Challenge Exercise
Challenge Exercise Sample

General Computer Operation

Risks and Hazards in the Office
Setting Up an Ergonomic
Workstation
Breaks and Exercises
Reducing Paper Wastage
Environmentally Friendly Computing
Backup Procedures
Challenge Exercise
Challenge Exercise Workspace



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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	Design a simple database, with at least two tables, 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	Modify table layout and field attributes as required	Chapter 4: Modifying Table Structures
1.5	Create a relationship between the two tables	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	Determine information output, database tables to be used and report layout to meet task requirements	Chapter 10: Creating Queries
2.2	Determine data groupings, search and sort criteria to meet 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	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 manuals, user documentation and online help to overcome problems with database design and production	Chapter 2: Designing a Lookup Database
3.3	Preview, adjust and print 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 person in a suitable format	Chapter 15: Creating and Using Reports

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