



# Microsoft Access Database Development With VBA

Microsoft Access is a development environment used to create and complement it, it ships with a programming language called Visual Basic. This language and the libraries are used in a program called Microsoft Visual Basic, which also ships with Microsoft Access.

This series of lessons shows how to visually and programmatically use the various libraries available in Microsoft Access 2016.

[An electronic book \(ebook\) version of these lessons is available for](#)

## Lessons

- [\[01\]:Introduction to MS Access and VBA](#)
- [\[02\]:Introduction to Variables and Data Types](#)
- [\[03\]:Introduction to Procedures and Functions](#)
- [\[04\]:Introduction to Built-In Functions](#)
- [\[05\]:Introduction to Classes and Objects](#)
- [\[06\]:The Properties of a Class](#)
- [\[07\]:Enumerations](#)
- [\[08\]:Introduction to Strings](#)
- [\[09\]:String-Based Functions](#)
- [\[10\]:Introduction to Date Values](#)

- [\[11\]:Introduction to Time Values](#)
- [\[12\]:Introduction to Conditions](#)
- [\[13\]:Conditional Statements and Functions](#)
- [\[14\]:Boolean Conjunctions and Disjunctions](#)
- [\[15\]:Conditional Selections](#)
- [\[16\]:Introduction to Collections](#)
- [\[17\]:Counting and Looping](#)
- [\[18\]:Error Handling](#)
- [\[19\]:Introduction to Tables](#)
- [\[20\]:Anatomy of a Table](#)
- [\[21\]:Introduction to Forms and Reports](#)
- [\[22\]:Forms and Reports Design](#)
- [\[23\]:Introduction to Windows Controls](#)
- [\[24\]:Introduction to Records](#)

## Microsoft Access Databases Topics

Creating a Database	<a href="#">MAOL</a>	<a href="#">AXS-App</a>	<a href="#">D</a>
Opening a Database	<a href="#">MAOL</a>	<a href="#">AXS-App</a>	<a href="#">D</a>
Creating a Table	<a href="#">MAOL</a>	<a href="#">SQL</a>	<a href="#">D</a>
Referencing a Table	<a href="#">MAOL</a>		<a href="#">D</a>
Opening a Table	<a href="#">MAOL</a>		<a href="#">D</a>
Deleting a Table	<a href="#">MAOL</a>	<a href="#">SQL</a>	<a href="#">D</a>
Adding a Column	<a href="#">MAOL</a>	<a href="#">SQL</a>	<a href="#">D</a>
Deleting a Column	<a href="#">MAOL</a>	<a href="#">SQL</a>	<a href="#">D</a>
Adding a Record	<a href="#">MAOL</a>	<a href="#">SQL</a>	<a href="#">D</a>
Updating a Record	<a href="#">MAOL</a>	<a href="#">SQL</a>	<a href="#">D</a>
Deleting a Record	<a href="#">MAOL</a>	<a href="#">SQL</a>	<a href="#">D</a>

## SQL Keywords

<a href="#">ALL</a>	<a href="#">ALTER</a>	<a href="#">AND</a>
<a href="#">AS</a>	<a href="#">ASC</a>	<a href="#">BETWEEN</a>
<a href="#">BY</a>	<a href="#">CONSTRAINT</a>	<a href="#">CREATE</a>
<a href="#">DEFAULT</a>	<a href="#">DELETE</a>	<a href="#">DESC</a>
<a href="#">DISTINCT</a>	<a href="#">FOREIGN KEY</a>	<a href="#">GROUP</a>
<a href="#">HAVING</a>	<a href="#">IN</a>	<a href="#">INDEX</a>
<a href="#">INNER JOIN</a>	<a href="#">INSERT</a>	<a href="#">IS</a>
<a href="#">KEY</a>	<a href="#">LEFT OUTER JOIN</a>	<a href="#">LIKE</a>
<a href="#">NOT</a>	<a href="#">NULL</a>	<a href="#">OR</a>
<a href="#">ORDER BY</a>	<a href="#">PRIMARY KEY</a>	<a href="#">REFERENTIAL</a>
<a href="#">RIGHT OUTER JOIN</a>	<a href="#">SELECT</a>	<a href="#">TABLE</a>
<a href="#">UPDATE</a>	<a href="#">VALUES</a>	<a href="#">WHERE</a>

## SQL Operations

<a href="#">+</a>	<a href="#">*</a>	<a href="#">&amp;</a>	<a href="#">[]</a>	<a href="#">&lt;&gt;</a>
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## VBA Keywords

- [\[25\]:Introduction to Relational Databases](#)
- [\[26\]:Records Maintenance](#)
- [\[27\]:Simple Windows Controls](#)
- [\[28\]:Introduction to Button-Based Controls](#)
- [\[29\]:Variants of Buttons](#)
- [\[30\]:Date and Time-Based Data](#)
- [\[31\]:Intro to Microsoft Access Object Library](#)
- [\[32\]:Introduction to Record Sets in MAOL](#)
- [\[33\]:Introduction to DAO](#)
- [\[34\]:Introduction to Record Sets in DAO](#)
- [\[35\]:Characteristics of a Record Set](#)
- [\[36\]:Introduction to Queries](#)
- [\[37\]:Sorting Records](#)
- [\[38\]:Introduction to Filtering Records](#)
- [\[39\]:Introduction to Data Analysis](#)
- [\[40\]:Conditions and Record Sets](#)
- [\[41\]:Filtering by a Pattern](#)
- [\[42\]:Introduction to SQL Conjunctions](#)
- [\[43\]:Filtering a Range of Records](#)
- [\[44\]:SQL Disjunctions](#)
- [\[45\]:Introduction to Data Joins](#)
- [\[46\]:Queries and Data Joins](#)
- [\[47\]:Data Joins and Relationships](#)
- [\[48\]:Parameterized and Action Queries](#)
- [\[49\]:SQL Aggregate Functions](#)
- [\[50\]:Domain Aggregate Functions](#)
- [\[51\]:List-Based Controls - The Combo Box](#)
- [\[52\]:List-Based Controls - The List Box](#)
- [\[53\]:Introduction to the ADO Library](#)
- [\[54\]:ADO and Record Sets](#)
- [\[55\]:Topics on ADO](#)
- [\[56\]:ADO Extended \(ADOX\)](#)
- [\[57\]:Printing](#)
- [\[58\]:File Processing](#)
- [\[59\]:Introduction to XML](#)
- [\[60\]:Characteristics of XML Elements](#)
- [\[61\]:XSLT](#)
- [\[62\]:Introduction to XML in MS Windows](#)

<a href="#">AND</a>	<a href="#">DO</a>	<a href="#">ELSE</a>	<a href="#">CASE</a>
<a href="#">FOR</a>	<a href="#">GOTO</a>	<a href="#">IF</a>	<a href="#">IS</a>
<a href="#">OR</a>	<a href="#">ORDERBY</a>	<a href="#">RESUME</a>	<a href="#">SELECT</a>
<a href="#">TO</a>		<a href="#">OPTIONAL</a>	

#### Microsoft Access Topics

<a href="#">Using a Win32 Function</a>	<a href="#">Not In List Combo Box</a>	<a href="#">Message B</a>
<a href="#">The Collection Class</a>	<a href="#">Input Boxes</a>	<a href="#">Enumerati</a>
<a href="#">User-Defined Types</a>		<a href="#">The Nume</a>

#### Conditionally Opening a Form or Report

#### Example Applicatins Databases

<a href="#">Compound Interest</a>	<a href="#">Optical Disc Publis</a>
<a href="#">Bethesda Car Rental</a>	<a href="#">Fun Department St</a>
<a href="#">Georgetown Dry Cleaning Services</a>	<a href="#">College Park Auto-</a>
<a href="#">College Park Auto-Repair (File Processing)</a>	
<a href="#">College Park Auto-Repair (XML)</a>	
<a href="#">Calling an External Application - FunDS</a>	
<a href="#">Time Sheet Calculations</a>	

#### Built-In Functions

<a href="#">Choose</a>	<a href="#">IIf</a>	<a href="#">InputBox</a>	<a href="#">MsgBox</a>	<a href="#">Sw</a>
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#### Windows Controls

<a href="#">Button</a>	<a href="#">Check Box</a>	<a href="#">Combo Box</a>	<a href="#">Label</a>	<a href="#">List</a>
<a href="#">List View</a>	<a href="#">Radio Buttons</a>	<a href="#">Text Box</a>	<a href="#">Toggle Button</a>	<a href="#">Wel</a>

#### Databases in Lessons

Databases	Lessons
Altair Realtors1	<a href="#">7, 17</a>
Altair Realtors2	<a href="#">37, 38</a>
Brokerage Company1	<a href="#">23, 24</a>
Brokerage Company2	<a href="#">25</a>
Ceil Inn1	<a href="#">20</a>
Eastern Shore Communications and Production Entertainment	<a href="#">29, 33</a>
Fun Department Store1	<a href="#">27, 28,</a>
Gas Utility Company	<a href="#">28, 29</a>
Kolo Bank	<a href="#">33, 34,</a>
States Statistics1	<a href="#">19</a>
States Statistics2	<a href="#">28, 35,</a>
Sweet Star Clothers	<a href="#">29, 30,</a>
Watts' A Loan	<a href="#">30, 33,</a>
	<a href="#">41</a>
Whirl Water Shine	<a href="#">27, 28,</a>

#### Lessons Resources

<a href="#">Microsoft Access</a>	<a href="#">Microsoft Excel</a>	<a href="#">VB Language</a>	<a href="#">C#</a>
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- [\[63\]:Operations on XML Elements](#)
- [\[64\]:Other Types of XML Nodes](#)
- [\[65\]:MS Access Import/Export of XML](#)

<a href="#">FunctionX Press</a>	<a href="#">Microsoft SQL Server</a>	<a href="#">VBA Excel</a>	<a href="#">Visual C#</a>
	<a href="#">ASP.NET</a>	<a href="#">XML</a>	<a href="#">Visual Basic</a>

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