

APPENDIX E SQL

BASIC SQL COMMANDS

This appendix contains a list of commonly used SQL techniques that are used in Web pages. Sample code is provided to illustrate how these techniques could be used within a Web application to access a database. This appendix is not meant to be an exhaustive reference on SQL. For more information on SQL, please refer to the MSDN Online Web site at <http://msdn.microsoft.com> and at <http://msdn.microsoft.com/library/officedev/office97/output/f1/d2/s5a318.htm>. Click on Show toc to display an extensive list of SQL commands.

Working with SQL

To create a SQL query statement that selects all fields from a table and all records, using the asterisk as a wildcard	<code>sql = "SELECT * FROM tblCustomer"</code>
To create a SQL query statement that selects several fields from a table and all records	<code>sql = "SELECT lname, fname FROM "</code> <code>sql = sql & "tblCustomer"</code>
To create a SQL query statement that selects a subset of records based on some criteria, using the WHERE clause	<code>sql = "SELECT * FROM tblCustomer "</code> <code>sql = sql & "WHERE state = 'IL'"</code>
To create an SQL query statement that selects a subset of records based on some criteria, using a value passed from a form	<code>strState = request.form("state")</code> <code>sql = "SELECT * FROM tblcustomer "</code> <code>sql = sql & "WHERE state = '"</code> <code>sql = sql & strState & "'"</code>
To execute a SQL statement with the execute method of the command object	<code>oCM.ActiveConnection = oC</code> <code>oCM.CommandText = sql</code> <code>oCM.CommandType = adCmdText</code> <code>oCM.Execute</code>
To create a new record using the SQL INSERT command	<code>sql = "INSERT INTO Shippers "</code> <code>sql = sql & "(SID, Cname, NDate) "</code> <code>sql = sql & "VALUES (42, 'BD',</code> <code>#8/1/2000#)"</code>
To update an existing record using the SQL UPDATE command	<code>sql = "UPDATE Shippers "</code> <code>sql = sql & "SET CName='EL' "</code> <code>sql = sql & "WHERE SID=42"</code>
To delete an existing record using the SQL DELETE command	<code>sql = "DELETE FROM Shippers "</code> <code>sql = sql & "WHERE SID=42"</code>