Database Tutorials

Hello everyone… welcome to database tutorials. These are going to be very basic tutorials about using the database to create simple applications, hope you enjoy it. If you have any notes about it, please send them to **notes@mka-soft.com.** Finally if you find these tutorials are useful, it would be nice from you to send a small donation via PayPal to **donation@mka-soft.com**.

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Database Connection

In some cases you might want to access the database without using the wizard. To do this you need to connect to the database using database connection object. Consider the following code:

```
' create the connection object
Dim Conn As New OleDb.OleDbConnection("connection string")
```

When you create a connection object, you need to tell the application some information about the database such as the path, the driver, user name and password, etc…

Next you open the connection:

```
' open the connection
Conn.Open()
```

This will actually open the database connection. When the database is open you can access the tables, perform some read or write operations to the database, etc. Finally, you close the database connection.

```
' close the connection
Conn.Close()
```

This is the last stage, where you close the database connection and release the database resources.

Now let us take a look at an example:

```
' create the connection object
Dim Conn As New OleDb.OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\mka\Desktop\test.accdb")

' open the connection
Conn.Open()

' pause a little bit
MsgBox("Connection is open")

' close the connection
Conn.Close()

MsgBox("Connection is closed")
```

If you look at the connection string: `Provider=Microsoft.ACE.OLEDB.12.0;`

This is the data driver, it helps your application getting the data from the database regardless of the type of the database.

Next: `Data Source=C:\Users\mka\Desktop\test.accdb`

These are some needed information for the driver to work. In this case it is the path of the database file. Other databases might require database username, password, port number, ip, and so on.

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So try to create an access db, and open and close the database. Just remember to update the path to point to the access database file.

So this will be all for today. If you have questions or notes, send them to notes@mka-soft.com.

Thank you.

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