

Re: conecting with a MsAcces DB by dao

Source: <http://coding.derkeiler.com/Archive/Python/comp.lang.python/2006-07/msg00202.html>

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 - *Date:* 3 Jul 2006 00:28:42 -0700
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Iain King ha escrito:

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```
while not
rs.EOF:
id=rs.Fields(colName.Value)
#colName,
valid
column
name
...
rs.MoveNext()
rs.Close()
conn.Close()
```

I don't know if it's the
problem your asking about,
but your
rs.MoveNext() should be
inside the while loop, no?

Yes, is inside

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You mean, it is inside the while loop in your code, but you made a mistake copying it into your post? In the code you posted it is not inside the while loop – it would have to be indented one more level for that.

Iain

this is te correct identation

```
def append_from_Access(self):
    try:
        import ...
        conn = win32com.client.Dispatch(r'ADODB.Connection')
        DSN = "PROVIDER=Microsoft.Jet.OLEDB.4.0;DATA
        SOURCE=C:/Afile.mdb;"
        conn.Open(DSN)
    except Exception, inst:
        ...
    try:
        sql_statement='SELECT * FROM Mytable'
        rs = win32com.client.Dispatch(r'ADODB.Recordset')
        rs.Open(sql_statement, conn, 1, 3)
        while not rs.EOF:
            id=rs.Fields(colName.Value) #colName, valid column name
            ...
            rs.MoveNext()
            rs.Close()
            conn.Close()

    except Exception, inst:
        ...
```

I think my problem must be with ado and dao.
Now I have run makepy utility and select Microsoft ActiveX Data Objects 2.5 Library, perhaps I must also select Microsoft DAO3.5 Object Library and write
win32com.client.Dispatch("DAO.DBEngine.35") for Access 97 or
win32com.client.Dispatch(r'ADODB.Connection') for Access 2000
Do you know is it possible ?
luis

Well, without being able to test on your system I don't think I can give you any real advice. This is the module I use to interface with Access:

Access.py

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```
-----
import win32com.client
from win32com.client import constants

def isWriteable(field):
    """Is given Field writeable?"""
    return field.Attributes & 4

class Access(object):
    def __init__(self, filename, password=""):
        self._filename = filename
        self._connection = win32com.client.Dispatch(r'ADODB.Connection')
        if password:
            self._DSN = 'PROVIDER=Microsoft.Jet.OLEDB.4.0;DATA SOURCE=%s;Jet
            OLEDB:Database Password=%s;' % (filename, password)
        else:
            self._DSN = 'PROVIDER=Microsoft.Jet.OLEDB.4.0;DATA SOURCE=%s;' %
            (filename)

    def Query(self, query):
        self._connection.Open(self._DSN)
        rs = win32com.client.Dispatch(r'ADODB.Recordset')
        rs.Open(query, self._connection, 1, 3)
        fields = []
        for x in xrange(rs.Fields.Count):
            fields.append(rs.Fields(x).Name)
        if rs.EOF:
            data = []
        else:
            data = rs.GetRows()
        rs.Close()
        self._connection.Close()
        return fields, data

    def Add(self, table, records):
        """Adds records to table."""
        self._connection.Open(self._DSN)
        rs = win32com.client.Dispatch(r'ADODB.Recordset')
        rs.Open(table, self._connection, 1, 3)
        unwriteables = []
        for record in records:
            rs.AddNew()
            unwriteable = []
            for i in xrange(len(record)):
                if isWriteable(rs.Fields(i)):
                    rs.Fields(i).Value = record[i]
                else:
                    unwriteable.append(rs.Fields(i).Value)
            unwriteables.append(unwriteable)
```

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```
rs.Update()
rs.Close()
self._connection.Close()
return unwriteables
```

```
def Update(self, query, function):
    """Updates all records found in query with function(record)"""
    self._connection.Open(self._DSN)
    rs = win32com.client.Dispatch(r'ADODB.Recordset')
    rs.Open(query, self._connection, 1, 3)
    columns = rs.Fields.Count
    while not rs.EOF:
        record = []
        for i in xrange(columns):
            record.append(rs.Fields(i).Value)
        newRecord = function(record[:])
        for i in xrange(columns):
            if isWritable(rs.Fields(i)):
                rs.Fields(i).Value = newRecord[i]
        rs.MoveNext()
    rs.Close()
    self._connection.Close()
```

```
def Delete(self, query):
    """Deletes all records found in query"""
    self._connection.Open(self._DSN)
    rs = win32com.client.Dispatch(r'ADODB.Recordset')
    rs.Open(query, self._connection, 1, 3)
    while not rs.EOF:
        rs.Delete()
        rs.MoveNext()
    rs.Close()
    self._connection.Close()
```

We only have Access 2000+, so I don't know if it'll work with prior versions.

Iain

Thanks, for your code

My problem was opening a query (not a table) on mdb file

1) If the query includes a where clause type
field1="edf" and field2=3
, for example, no problem, Access can retrieve a not empty recordset
and my python code too.

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2) But if the Access's query includes a LIKE clause, for example
field1="e*"
, Access can retrieve a not empty recordset but my python code
retrieves an empty recordset.

If I write the WHERE clause inside my python code, the recordset returns
a non empty recordset. Perhaps the problem was the different use of *
and % in Access and SQL, I don't know.

Luis