

<http://stackoverflow.com/questions/12761236/connection-to-access-from-python>

Here are 2 ways, with COM dispatch and with odbc. You will need the pywin32 extensions and/or pyodbc to use these methods.

```
import win32com.client
import pyodbc

def ado():
    '''
    connect with com dispatch objs
    '''
    conn = win32com.client.Dispatch(r'ADODB.Connection')
    DSN = ('PROVIDER = Microsoft.Jet.OLEDB.4.0;DATA SOURCE = ' + db + ';')
    conn.Open(DSN)

    rs = win32com.client.Dispatch(r'ADODB.Recordset')
    strsql = "select * from deer"
    rs.Open(strsql, conn, 1, 3)
    t = rs.GetRows()
    conn.Close()
    return t

def odbc():
    '''
    connects with odbc
    '''
    constr = 'Driver={Microsoft Access Driver (*.mdb, *.accdb)};Dbq=' + db
    conn = pyodbc.connect(constr, autocommit=True)
    cur = conn.cursor()
    strsql = "select * from deer"
    cur.execute(strsql)
    t = list(cur)
    conn.close()
    return t

if __name__ == '__main__':
    db = 'c:/work/deer/deer.mdb'
    data1 = ado()
    data2 = odbc()
```

<http://stackoverflow.com/questions/3251702/how-to-connect-pyodbc-to-an-access-mdb-database-file>

I use odbc module (included in ActiveState Python), but tested pyodbc and for me works:

```
#db = odbc.odbc('northwind')
```

```
#db = odbc.odbc('Driver={Microsoft Access Driver
(*.mdb)};Dbq=Nwind.mdb;Uid=;Pwd=;')
#db = pyodbc.connect('Driver={Microsoft Access Driver
(*.mdb)};Dbq=Nwind.mdb;Uid=;Pwd=;')
db = pyodbc.connect('DSN=northwind')
```

Of course commented connections works too.

I configured northwind as user DSN so you probably will have to configure your ODBC database connection as User DSN or System DSN, or without configuring in ODBC Administrator you can use `ConnectionString` where you can point at your `.mdb` file.

It's smart to list your odbc connections with pyodbc to see what are you using. Make sure you use appropriate pyodbc 32 bit Python 32 bit driver. If you want to use 64bit access files you should use 64 bit MS Access which provides driver.

```
sources = pyodbc.dataSources()
keys = sources.keys()
for key in keys:
    print key
```