

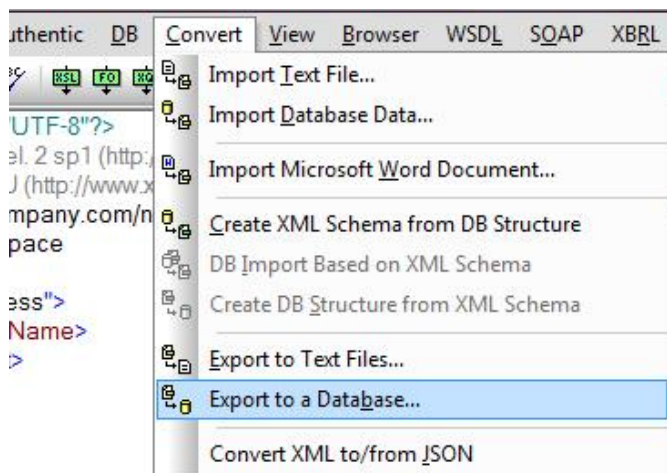
XML Spy Tutorial Lab 4

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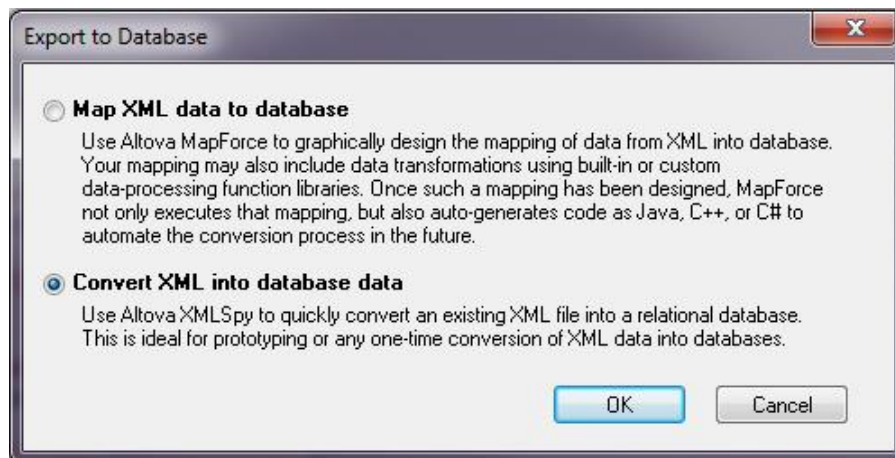
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Import and exporting database data

1. Open CompanyLast.xml
2. Select [Convert] > [Export to a Database]



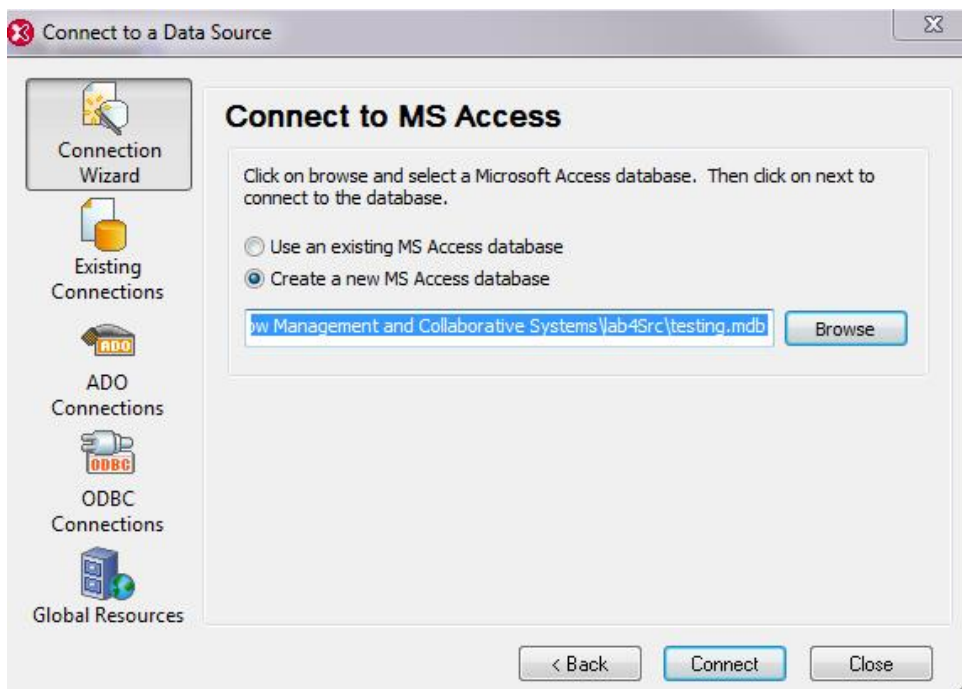
3. Convert XML into database data



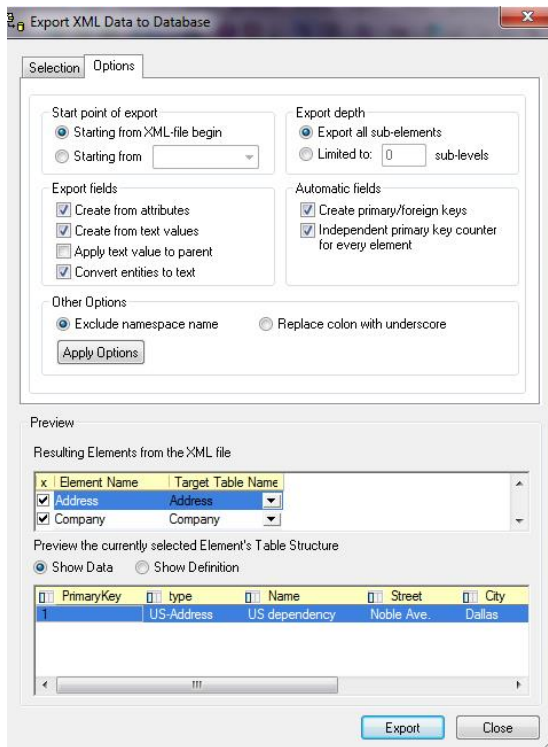
4. Select [Microsoft Access ADO]



5. Select Create a new MS Access database and the location



6. You may change the options to fit your need and export



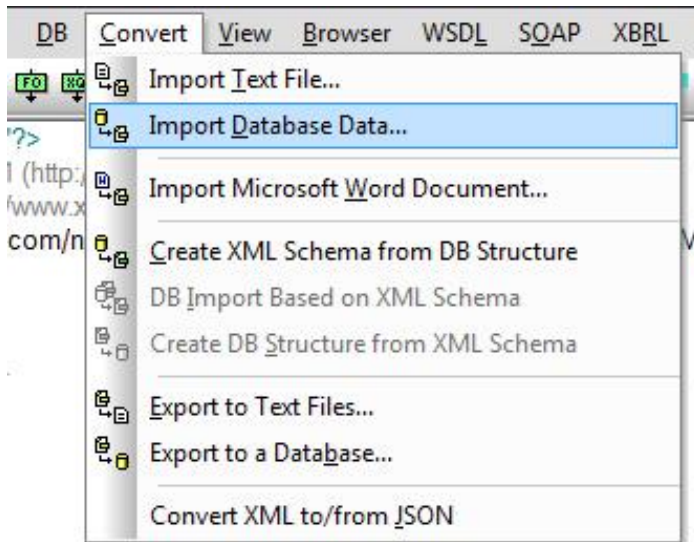
7. Open themdb file you just saved. The export process automatically created a table for each exported element.
8. Double click the Person icon to open the Person table.
9. The table shows all the Person data from the XML file and includes the "Automatic fields" Primary Key and Foreign Key, which can be used to index the database data.

Person									
PrimaryKey	Manager	Degree	Programmer	First	Last	PhoneExt	Email	FK_Compan	
1	false	MA	true	Alfred	Aldrich	33	Aldrich@work	1	
2	true	Ph.D	false	Colin	Coletti	444	Coletti@work.c	1	
3	true	BA	false	Fred	Smith	22	Smith@work.co	1	
*									

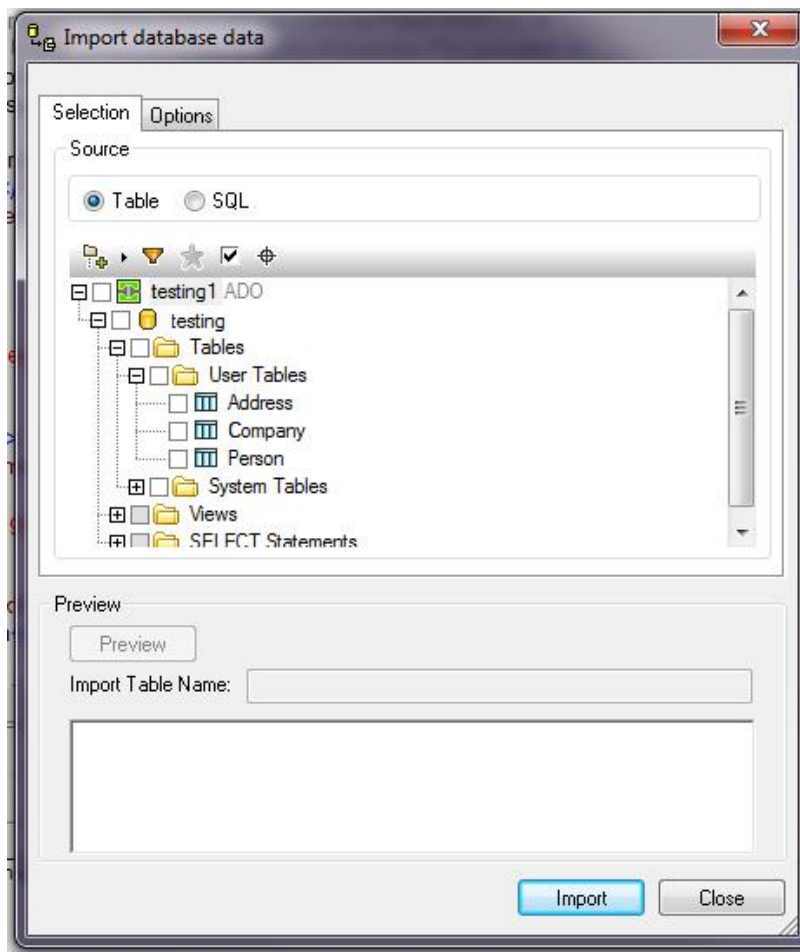
10. [Question] Why the Foreign Key is 1?

Import Data into XMLSPY

1. Select [Convert] > [Import Database Data]



2. Choose the pervious database and select the person field that you want to import. You can query the database by SQL statement



Selection statement

Choose database table

SELECT * FROM [Person]

Preview

Format of Number-, Date- and Time- values

☒ According to system locale ☐ Compatible with Schema data types

Import Data as Elements/Attributes

☒ Elements by default ☐ Attributes by default

☐ Exclude Primary/Foreign Keys ☐ Create empty elements from empty fields

PrimaryKey	ForeignKey	Degree	Manager
1	1	MA	false
2	1	Ph.D	true
3	1	BA	true

- Define and import this field as an **Element**.
- Define and import this field as an **Attribute**.
- Skip**, do not import this field.

XMLSPY 4.3

3. A new XML is created and saved

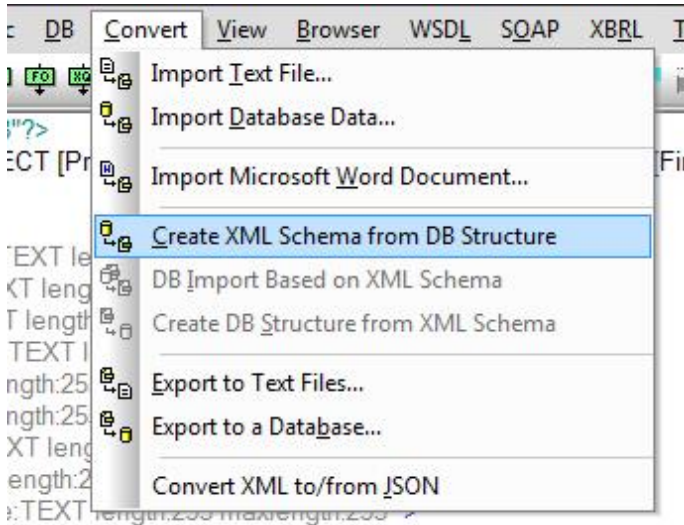
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1  <?xml version="1.0" encoding="UTF-8"?>
2  <Import name="Result1" query="SELECT [PrimaryKey], [Manager], [Degree]
   FROM [Person]">
3    <!--MS Access-->
4    <!--Column name:PrimaryKey type:TEXT length:255 maxlength:255-->
5    <!--Column name:Manager type:TEXT length:255 maxlength:255-->
6    <!--Column name:Degree type:TEXT length:255 maxlength:255-->
7    <!--Column name:Programmer type:TEXT length:255 maxlength:255-->
8    <!--Column name:First type:TEXT length:255 maxlength:255-->
9    <!--Column name>Last type:TEXT length:255 maxlength:255-->
10   <!--Column name:PhoneExt type:TEXT length:255 maxlength:255-->
11   <!--Column name>Email type:TEXT length:255 maxlength:255-->
12   <!--Column name:FK_Company type:TEXT length:255 maxlength:255-->
13   <Row>
14     <PrimaryKey>1</PrimaryKey>
15     <Manager>>false</Manager>
16     <Degree>MA</Degree>
17     <Programmer>>true</Programmer>
18     <First>Alfred</First>
19     <Last>Aldrich</Last>
20     <PhoneExt>33</PhoneExt>
21     <Email>Aldrich@work</Email>
22     <FK_Company>1</FK_Company>
23   </Row>
24   <Row>

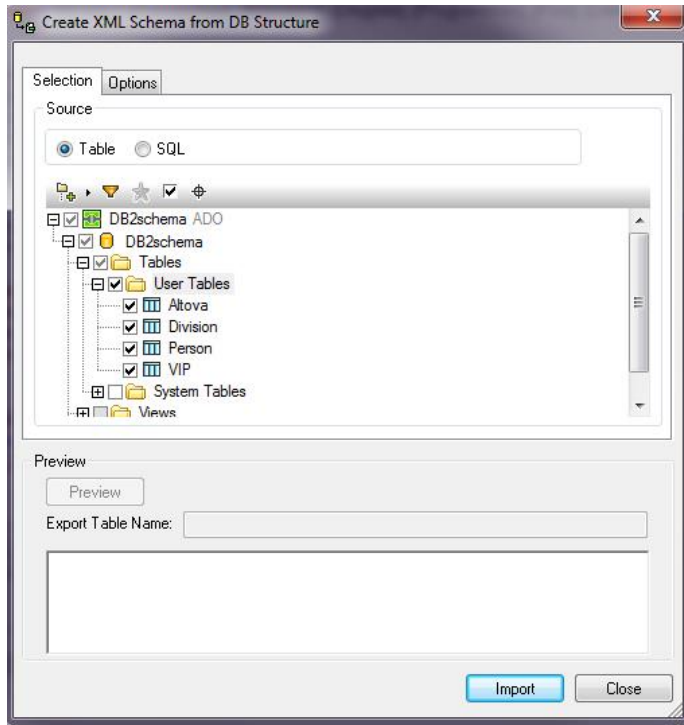
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Converting a database to a schema

1. Download DB2schema.mdb
2. Open and study DB2schema structure
3. Open the XMLSPY
4. Select [Convert] > [Create XML schema from DB Structure]



5. Select the MS Access and select DB2schema.mdb
6. Select all the field



7. A new schema is created

