

XML Spy Tutorial Lab 2

Contents

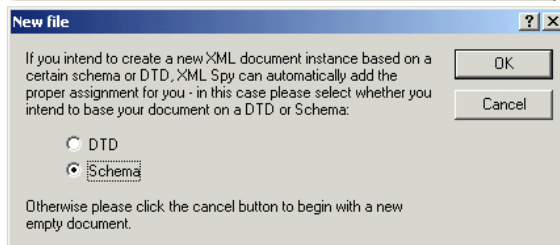
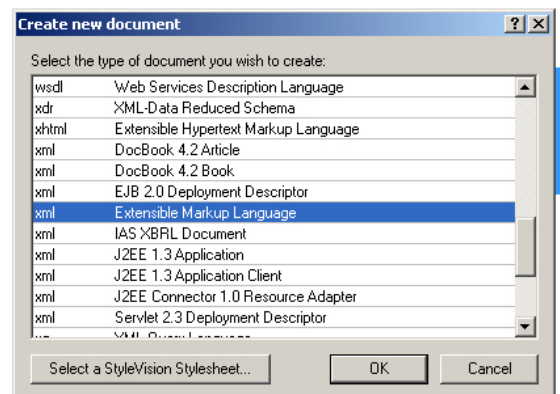
Creating a New XML File from XML Schema	1
Specifying the Element Type	1
Editing in Text View	2
Well formed and validation Checking	3
Adding Elements and Attributes	3
Copying XML data to and from third party products	3
Sorting the table by the contents of a column.....	4
Modifying the Schema.....	5

Creating a New XML File from XML Schema

1. [File] > [New]
2. Select XML
3. Select base on Schema
4. Select AddressFirst.xsd
5. Change to grid form

Specifying the Element Type

1. In the company element, select the name and then right click.
2. [Insert] > [Attribute]
3. Ensure that xsi:type is entered as the US-Address of the attribute



XML		
version		1.0
encoding		UTF-8
Company		
xm:ns		http://my-company.com/namespace
xm:ns:xsi		http://www.w3.org/2001/XMLSchema
xsi:schemaLoca...		http://my-company.com/namespace AddressLast.xsd
Address		
Person Manager=		

() Name	Insert	Attribute	Ctrl+Shift+I
() Street	Append	Element	Ctrl+Shift+E
() City			

Company											
= xmlns	http://my-company.com/namespace										
= xmlns:xsi	http://www.w3.org/2001/XMLSchema-instance										
= xsi:schema...	http://my-company.com/namespace AddressLast.xsd										
<table border="1"> <thead> <tr> <th colspan="2">Address</th> </tr> </thead> <tbody> <tr> <td>= xsi:type</td> <td>US-Address</td> </tr> <tr> <td>() Name</td> <td></td> </tr> <tr> <td>() Street</td> <td></td> </tr> <tr> <td>() City</td> <td></td> </tr> </tbody> </table>		Address		= xsi:type	US-Address	() Name		() Street		() City	
Address											
= xsi:type	US-Address										
() Name											
() Street											
() City											
Person Manager=											

4. Press Tab to move into the next field.
5. Input field as following
6. Note that extra field is needed

Company															
= xmlns:xsi	http://www.w3.org/2001/XMLSchema-instance														
= xsi:noNamespa...	file:///C:/Users/hkpuadmin/Desktop/XMLspyLab2/AddressFirst.xsd														
<table border="1"> <thead> <tr> <th colspan="2">Address</th> </tr> </thead> <tbody> <tr> <td>= xsi:type</td> <td>US-Address</td> </tr> <tr> <td>() Name</td> <td>US dependency</td> </tr> <tr> <td>() Street</td> <td>Noble</td> </tr> <tr> <td>() City</td> <td>Ave</td> </tr> <tr> <td>() Zip</td> <td>04812</td> </tr> <tr> <td>() State</td> <td>Texas</td> </tr> </tbody> </table>		Address		= xsi:type	US-Address	() Name	US dependency	() Street	Noble	() City	Ave	() Zip	04812	() State	Texas
Address															
= xsi:type	US-Address														
() Name	US dependency														
() Street	Noble														
() City	Ave														
() Zip	04812														
() State	Texas														

Elements
 () State
 () Name
 () Street
 () City
 () Zip

Editing in Text View

1. Switch to text view
2. Try to enter the following information

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <Company xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="
3  file:///C:/Users/hkpuadmin/Desktop/XMLspyLab2/AddressFirst.xsd">
4    <Address xsi:type="US-Address">
5      <Name>US dependency</Name>
6      <Street>Noble</Street>
7      <City>Ave</City>
8      <Zip>04812</Zip>
9      <State>Texas</State>
10   </Address>
11   <Person Manager="true" Degree="BA" Programmer="false">
12     <First>Peter</First>
13     <Last>Ng</Last>
14     <Title>Mr</Title>
15     <PhoneExt>22</PhoneExt>
16     <Email>peter@peter.com</Email>
17   </Person>
18 </Company>

```


[Hint] Select “/” and enter “>” XML spy will automaticity generate the start and end tag

Well formed and validation Checking

1. [XML] > [Check well-formedness], or press the F7 key
2. [XML] > [Validate], or press the F8 key



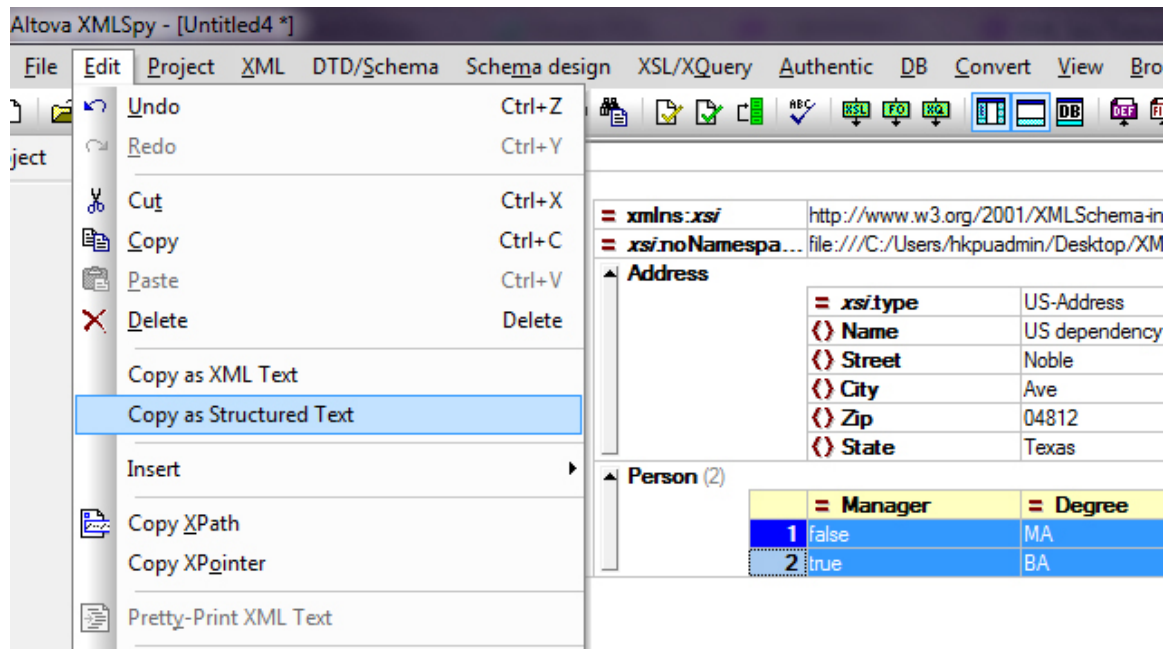
Adding Elements and Attributes

1. Select the person elements
2. Right click and select [Insert] > [Element]
3. Press F12 to switch from table view and normal gird view or press the 

= xmlns:xsi	http://www.w3.org/2001/XMLSchema-instance			
= xsi:noNamespa...	file:///C:/Users/hkpuadmin/Desktop/XMLspyLab2/AddressFirst.xsd			
▲ Address				
= xsi:type	US-Address			
⌂ Name	US dependency			
⌂ Street	Noble			
⌂ City	Ave			
⌂ Zip	04812			
⌂ State	Texas			
▲ Person (2)				
	= Manager	= Degree	= Programmer	⌂ First
1	false	MA	true	John
2	true	BA	false	Peter

Copying XML data to and from third party products

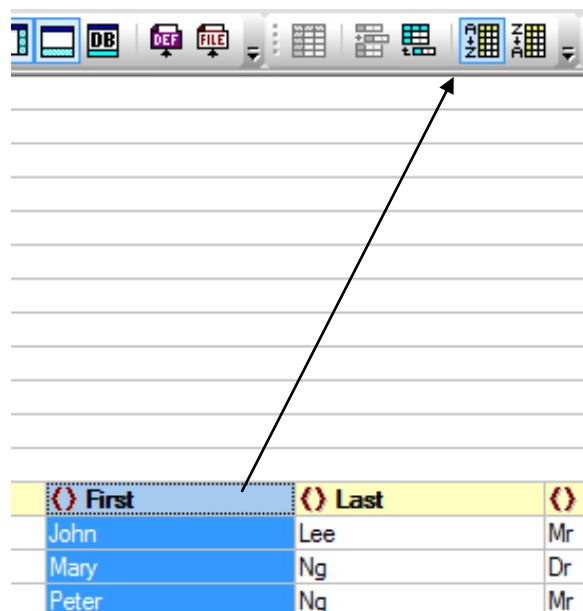
1. Click on the row label 1, hold down the Ctrl key, and click on row label 2. This selects both rows of the table.
2. Select the menu option [Edit] > [Copy as Structured text]nnnnnnnn. This command copies elements to the clipboard as they appear on screen.
3. Switch to Excel and paste (Ctrl+V) the XML data in an Excel worksheet.



4. Enter a new row of data in Excel. Make sure that you enter a three digit number for the PhoneExt element (say, 444).
5. Mark the table data in Excel, and press Ctrl+C to copy the data to the clipboard.
6. Switch back to XMLSpy.
7. Click in the top left data cell of the table in XMLSpy, and select [Edit] > [Paste]

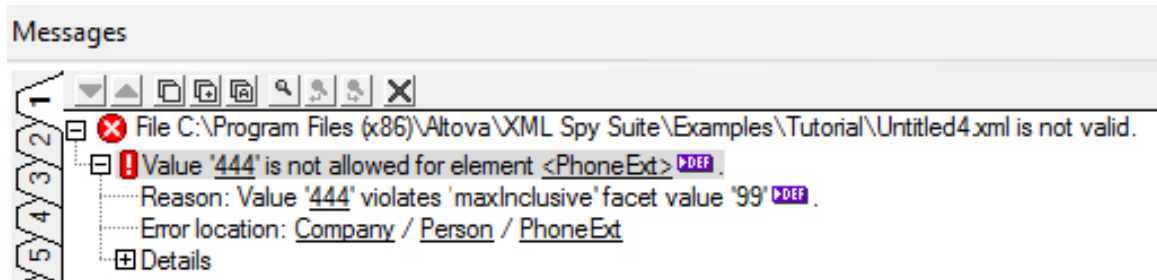
Sorting the table by the contents of a column

1. Select the "First" column
2. Click the sorting button



Modifying the Schema

1. Press F8 to valid the XML
2. Error occurs



3. Select the menu option [DTD /Schema] > [Go to definition]
4. Click the PhoneExt
5. Change the maxIncl to 9999
6. Back to XML
7. Press F8 to valid the XML
8. Save the XML as Company.xml