XML Tutorial

XML HOME
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XML How to use
XML Tree
XML Syntax
XML Elements
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XML Namespaces
XML Display
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Displaying XML

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Raw XML files can be viewed in all major browsers.

Don't expect XML files to be displayed as HTML pages.

Viewing XML Files

```
<?xml version="1.0" encoding="UTF-8"?>
 - <note>
     <to>Tove</to>
     <from>Jani</from>
     <heading>Reminder</heading>
     <body>Don't forget me this weekend!</body>
  </note>
```

XML Certificate

XML DOM

DOM Intro
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DOM XMLHttpRequest
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DOM Node Info
DOM Node List
DOM Traversing
DOM Navigating
DOM Get Values
DOM Change Nodes
DOM Remove Nodes
DOM Replace Nodes
DOM Create Nodes
DOM Add Nodes
DOM Clone Nodes
DOM Examples

DOM Reference

DOM Node Types
DOM Node
DOM NodeList
DOM NamedNodeMap
DOM Document

Look at the XML file above in your browser: note.xml

Most browsers will display an XML document with color-coded elements.

Often a plus (+) or minus sign (-) to the left of the elements can be clicked to expand or collapse the element structure.

To view raw XML source, try to select "View Page Source" or "View Source" from the browser menu.

Note: In Safari 5 (and earlier), only the element text will be displayed. To view the raw XML, you must right click the page and select "View Source".

Viewing an Invalid XML File

If an erroneous XML file is opened, some browsers will report the error, and some will display it, or display it incorrectly.

```
<?xml version="1.0" encoding="UTF-8"?>
 - <note>
     <to>Tove</to>
     <from>Jani</Ffrom>
     <heading>Reminder</heading>
     <body>Don't forget me this weekend!</body>
  </note>
```

Try to open the following XML file: note_error.xml

DOM Element
DOM Attribute
DOM Text
DOM CDATA
DOM Comment
DOM XMLHttpRequest
DOM Parser

Web Services

XML Services
XML WSDL
XML SOAP
XML RDF
XML RSS

XML DTD

DTD Intro
DTD Building Blocks
DTD Elements
DTD Attributes
DTD Elements vs Attr
DTD Entities
DTD Examples

XSD Schema

Other XML Examples

Viewing some XML documents will help you get the XML feeling:

An XML breakfast menu
This is a breakfast food menu from a restaurant, stored as XML.

An XML CD catalog
This is a CD collection, stored as XML.

An XML plant catalog
This is a plant catalog from a plant shop, stored as XML.

Why Does XML Display Like This?

XML documents do not carry information about how to display the data.

Since XML tags are "invented" by the author of the XML document, browsers do not know if a tag like <table> describes an HTML table or a dining table.

Without any information about how to display the data, the browsers can just display the XML document as it is.

Displaying XML Files with CSS?

Below is an example of how to use CSS to format an XML document.

We can use an XML file like cd_catalog.xml and a style sheet like cd_catalog.css

XSD Intro
XSD Why Use
XSD How To
XSD <schema>

XSD Simple

XSD Elements
XSD Attributes
XSD Restrictions

XSD Complex

XSD Elements
XSD Empty
XSD Elements Only
XSD Text Only
XSD Mixed
XSD Indicators
XSD <any>
XSD <anyAttribute>
XSD Substitution
XSD Example

XSD Data

XSD String
XSD Date

RESULT: The CD catalog formatted with the CSS file

Below is a fraction of the XML file. The second line links the XML file to the CSS file:

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="cd_catalog.css"?>
<CATALOG>
  <CD>
    <TITLE>Empire Burlesque</TITLE>
    <ARTIST>Bob Dylan</ARTIST>
    <COUNTRY>USA</COUNTRY>
    <COMPANY>Columbia</COMPANY>
    <PRICE>10.90</PRICE>
    <YEAR>1985</YEAR>
  </CD>
  <CD>
    <TITLE>Hide your heart</TITLE>
    <ARTIST>Bonnie Tyler</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>CBS Records</COMPANY>
    <PRICE>9.90</PRICE>
    <YEAR>1988</YEAR>
  </CD>
.
.
.
</CATALOG>
```

XSD Numeric
XSD Misc

Formatting XML with CSS is not recommended. Use JavaScript or XSLT instead.

XSD References

XSD Reference

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W3SCHOOLS EXAMS

HTML, CSS, JavaScript, PHP, jQuery, and XML Certifications

COLOR PICKER

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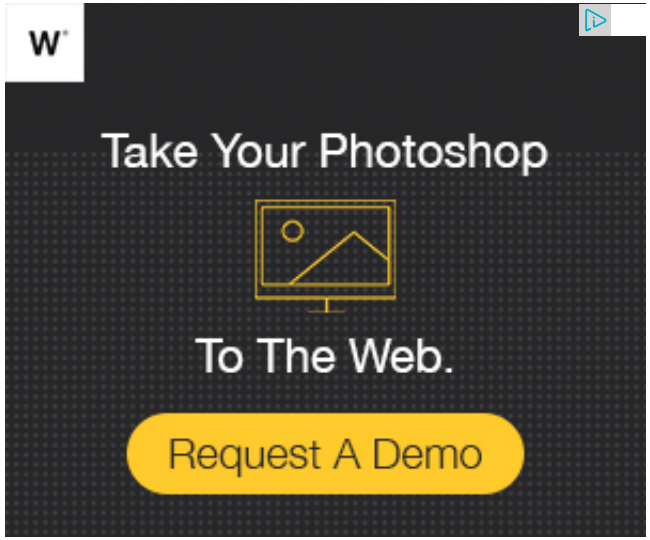

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