

XSLT Transformations

There will come a time when you'll want to gather and format your XML for output. In this course you'll explore two common ways of doing just that: CSS and XSLT. Learn to use stylesheet processors to view the output of a transformation, utilize conditional elements to control processing flow, and write XPath functions and expressions to retrieve data from multiple documents.

Who should take this course?

This course is designed for students interested in XSLT in their work or classes. XSLT is a programming language like other languages such as C and C#. However, the syntax in XSLT is very unusual. The course covers the basics of this new and exciting language.

Course Topics

- Define an XSLT style sheet.
- Create XSLT templates.
- Use XHTML with XSLT.
- Convert an XML document to another XML document.
- Perform sorts.
- Add new elements and attributes.
- Perform loops and conditional processing.
- Use a set of node-set and Boolean functions.
- Use string and number functions.

Course Details

- Length: 12 hours
- Format: Classroom
- Prerequisites: XHTML - Levels 1 and 2, Cascading Style Sheets - Level 1 and XML Introduction. Introduction to Programming using C# recommended.

The above prerequisites are considered to be the basic skills and knowledge needed prior to taking this class. Instructors will assume your readiness for the class materials and will NOT use class time to discuss prerequisite materials.



Course Contents

Introduction to XML Output

- What is an XSLT style sheet?
- Formatting XML documents using style sheets

Basic XSLT Templates

- XSLT basics
- Using XHTML with XSLT
- Producing output other than XHTML
- The nature of XSLT templates
- How to create new elements in the output
- How to create new attributes in the output
- How to create/write comments in the output

XSLT Conditional Elements

- How to write If/Then conditionals
- How to test multiple conditions
- How to write loops with conditionals

XPath node-set and Boolean functions

- How to use node-set functions such as last, count and position functions
- How to retrieve element names and text values
- How to use Boolean functions

XPath string and number functions

- How to use functions such as “contains” and “starts-with” to extract a portion of a string