SpiralTrain
developer courses

XSLT Stylesheets

Duration: 3 days   **Price: € 1850**

<div style="background:green">**Open Schedule**</div>

Audience Course XSLT Stylesheets
The course **XSLT** Stylesheets is intended for Application developers, Web developers and project managers who want to learn XSLT to apply XML formatting and transformation.

Prerequisites Course XSLT Stylesheets
Knowledge of **HTML** and **XML** syntax is required. Knowledge of the basic concepts of programming is not required but beneficial.
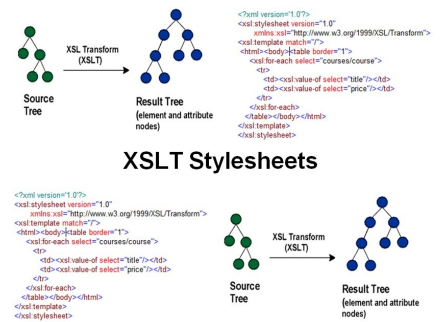
Realization Training XSLT Stylesheets
The theory is discussed on the basis of presentation slides. The theory is clarified using demos and interspersed with exercises. The course material is in English. The course times are from 9.30 up and to 16.30.

Certification XSLT Stylesheets
Participants receive an official certificate XSLT Stylesheets after successful completion of the course.

XSLT Stylesheets

Content Course XSLT Stylesheets

The course XSLT Stylesheets discusses how XSLT, eXtensible Stylesheet and Transformation Language can be used to format and transform XML documents. The course is based on the latest version of XSLT but the differences with previous versions are also highlighted.

XSLT Transformations
The course deals with transformations from XML to HTML, from XML to XML and from XML to other text formats such as plain text and JSON.

XPath Expressions
Furthermore, attention is paid to navigating through XML documents via XPath expressions and the various search axes of XPath are explained.

XPath Functions
There is plenty of attention for the many functions that XPath and XSLT have to offer and that can be called during the transformation process.

XSLT Template Matching
An important element of XLST is the principle of template matching. This therefore forms the central element of the course.

XSLT Flow Control
The XSLT elements that have to do with flow control are discussed, as well as those for copying elements.

Generic Templates
Furthermore, the use of generic templates and the use of apply templates is discussed as well as named templates and their calling with call-template.

XML to XML Transformation
The transformation of attributes to elements and vice versa is also on the course schedule.

PDF Transformation
Finally, we look at transformations from XML to various other formats. In this respect, a separate module is devoted to the transformation language XSL-FO and transformations to PDF.

Modules Course XSLT Stylesheets

Module 1 : XSL Intro	Module 2 : Transformation to HTML	Module 3 : XPath
The XSL Family	Adding Stylesheets	XPath Expressions
What is XSLT?	Extracting Values from XML	XPath Node Types
What is XPath?	Navigating the XML Document	XPath Context
XSL's Position	Using Predicates	Location Path Syntax
XSLT Stylesheets	Iterating through XML Elements	XPath Axes
XSLT Versions	Creating HTML Tables	Predicates
StyleSheet Blueprint	Absolute and Relative Path	XPath Operators
The XSLT Vocabulary	Conditional Processing	XPath Functions
Template Rules	Accessing Document Parts	Node Tests in XPath
Default Templates	..// Operator	XML Schema Data Types
XSLT Document Structure	Access XML Data with Nodelists	Sequences
xsl:output	Internal hyperlinking	For Expressions
XSLT Processors	Numbering	Conditional Expressions
Processors Implementations	Sorting	Namespace Nodes
Module 4 : XSLT Variables	**Module 5 : XSLT and XPath Functions**	**Module 6 : Transformation to XML**
xsl:variable	Numeric Functions	Transformation Language
xsl:variable with Subtree	String Functions	xsl:element
Working of xsl:variable	Boolean Functions	Selecting all Elements
Variable Scope	Accessor Functions	Selection all Attributes
Global Variables	Node Functions	name function
Changing Variables	Sequence Functions	xsl:attribute
Tracing Output	Any Uri Functions	Copying Elements
xsl:param	Context Functions	Generalization
Passing Parameters to Templates	Duration and Time Functions	Multiple Applicable Rules
Named Templates	Error and Trace Functions	mode attribute
Calling Templates	QName Functions	xsl:include
Call by Reference	Regular Expression Functions	xsl:import
Module 7 : Transformation to Text	**Module 8 : Advanced XSLT**	**Module 9 : XSL-FO**
Text Formats	Using Typing	What is XSL-FO?
Plain Text Files	Strong Typing	XSL-FO Documents
CSV files	XML Schema Validation	Layout Master Set
Transforming JSON	Temporary Trees	Page Sequence Masters
Handling Entity References	User-Defined Functions	Page Template Layout
White Space Handling	Grouping by Value	XSL-FO Areas
xsl:space	Grouping in Sequence	XSL-FO Pages
Preserving space	Multiple Result Trees	Static Content
xsl:preserve-space	Output Serialization	Flows
Stripping Space	Character Mapping	Page Sequences
xsl:strip-space	Character Substitutions	Tree for Pagination