



Course Goals and Non Goals



Course Goals

- To learn about how to create XML document
- To understand the use of XML in web application development
- To create schema definition

Course Non Goals

- To learn about how to create XSL and XSLT document
- To understand DOM implementation
- To learn XQuery

Note:

Goals: Participants should be able to know how to create XML document, understand the use of XML in web application development, and creating schema definition.

Non-Goals: Participants will not learn about creation of XSL and XSLT file. DOM implementation is beyond the scope of this course. XQuery is not in scope of this course.

Pre-requisites



Fair Knowledge of HTML is preferable

Capgemini Public

Intended Audience

Web Developers



Day Wise Schedule



Day 1

- Lesson 1: Introduction to XML
- Lesson 2: Anatomy of XML Document
- Lesson 3: XML Schema Definition

Table of Contents



Lesson 1: Introduction to XML

- 1.1: Evolution of XML
- 1.2: Role of XML in web applications
- 1.3: Different members of XML family
- 1.4: Introduction to Namespace

Lesson 2: Anatomy of XML

- 2.1: Logical and Physical structure of XML file
- 2.2: Parts of XML file – Elements, Attributes, Entities, PI's etc.

Lesson 3: XML Schema Definition

- 3.1: Advantages of Schema over DTD
- 3.2: Method to write a schema definition for an XML file
- 3.3: Data types used in schemas
- 3.4: Simple and Complex type of elements
- 3.5: Restrictions on XSD elements
- 3.6: Indicator – Order, Occurrence, and Group

References



Books:

- Beginning XML; Wrox Publication

Sites:

- <http://w3schools.com>



Next Step Courses (if applicable)



XQuery

Using XML with Java/.Net

Capgemini Public

Other Parallel Technology Areas



NA

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