



Fundamentals of Data Management

Pass Task 2.1: Semi-Structured Data: XML and JSON

Overview

In this tutorial, you'll create and query an XML document and translate it to JSON.

Purpose

Learn how to create and navigate tree-structured data formats. Acquaint yourself with the XML and JSON formats.

Task

Use a text editor (such as Notepad++) to construct your answers to the questions below. Test your XQuery expressions on the web site shown under 'Resources'.

Time

This task should be completed in your second lab class and submitted for feedback in the second lab or at the beginning of lab 3.

Resources

- Online module (from Canvas)
- Online resources, e.g.
 - https://www.w3schools.com/xml/xquery_example.asp (XQuery)
 - <http://www.tutorialspoint.com/xquery/index.htm> (XQuery)
- Web site for trialling XQuery expressions:
 - <http://videlibri.sourceforge.net/cgi-bin/xidelcgi>

Feedback

Discuss your solutions with the tutorial instructor.

Next

Get started on module 3.

Pass Task 2.1 — Submission Details and Assessment Criteria

Document your solutions using a word processor and upload as pdf to Doubtfire. The tutors will discuss the solution with you in the lab.

Subtask 2.1.2

Write a simple XQuery that returns all the book titles. Test the query using the web site (or another XQuery evaluator).

Document the query and upload.