

Week 5 - XSLT Practical Lab

The **SigmodRecord.xml** file (available on Moodle) is an XML file which contains indexes of articles from the [SIGMOD Record](#) journal.

Using the **SigmodRecord.xml** as the source XML document, develop XSLT scripts to generate HTML documents containing (develop 1 script per item):

1. the title of all articles
2. the title of all articles from volume 25
3. the title and respective authors of all articles whose `initPage` is greater than 30 and less than 35. Make the title a heading using the `h3` HTML tag and using the `p` HTML tag for the author names.
4. the name of the first authors of each article
5. the name of the last authors of each article
6. The list of articles ordered by `Issue Volume` and `Issue Number`. The articles' information should be presented in the following sequence: author names separated by comma, title in bold, and initial and end pages separated with a dash (see the example below).

NOTE: You may need to use the `<xsl:text>` element ([<xsl:text> description](#)) to avoid line breaks and format the correct HTML output.

SIGMOD Record

Volume 11, Number 1

Anthony I. Wasserman, Karen Botnich **Annotated Bibliography on Data Design**. pp. 45-77

Lawrence A. Rowe, Michael Stonebraker **Architecture of Future Data Base Systems**. pp. 30-44

Tom Cook **Database Directions III Workshop Review**. pp. 8-8

Philip A. Bernstein, Marco A. Casanova, Nathan Goodman **Errors in 'Process Synchronization in Database Systems'**. pp. 9-29

Volume 11, Number 3

Gary H. Sockut **Comparison and Mapping of the Relational and CODASYL Data Models - An Annotated Bibliography**. pp. 55-68

Stephen Knowles **Database Activity at Aberdeen University Computing Centre**. pp. 6-6

Gerald R. Barber **Record of the Workshop on Research in Office Semantics.**
pp. 10-25

Gunter Schlageter **Reply to "Errors in 'Process Synchronization in Database Systems'".** pp. 7-9

Gio Wiederhold, S. Jerrold Kaplan, Daniel Sagalowicz **Research in Knowledge Base Management Systems.** pp. 26-54

Volume 11, Number 4

Robert P. Trueblood, H. Rex Hartson **Multisafe - A Data Security Architecture.** pp. 26-31

Arnon Rosenthal **Note on the Expected Size of a Join.** pp. 19-25

Ramez Elmasri, Cory Devor, Said K. Rahimi **Notes of DDTS - An Apparatus for Experimental Research in Distributed Database Management Systems.**
pp. 32-49

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Catriel Beeri, Moshe Y. Vardi **A Note on Decompositions of Relational Databases.** pp. 33-37

Peter B. Miller, Sergey Tetelbaum, Kincade N. Webb **BUSINESS - An End-User Oriented Application Development Language.** pp. 38-69

Antonio L. Furtado **Horizontal Decomposition to Improve a Non-BCNF Scheme.** pp. 26-32

Kn. I. Kilov, I. A. Popova **Meta-Database Architecture for Relational DBMS.** pp. 18-25