

Querying XML

XSLT

Querying XML

Not nearly as mature as Querying Relational

- Newer
- No underlying algebra

Sequence of development

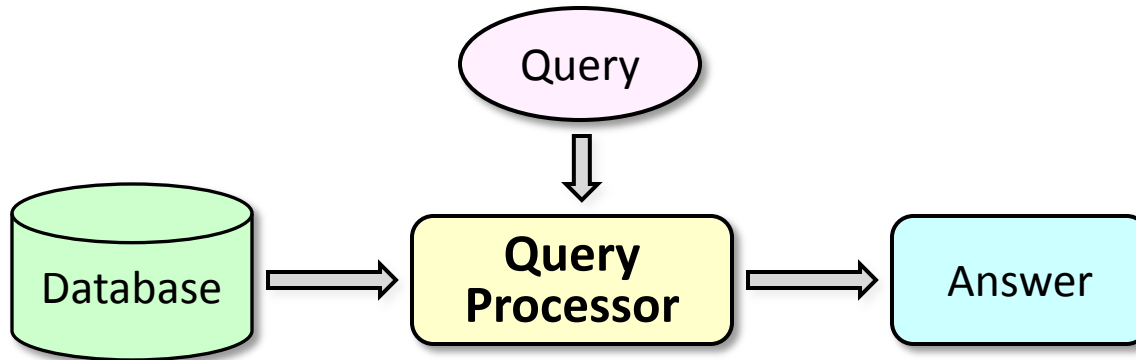
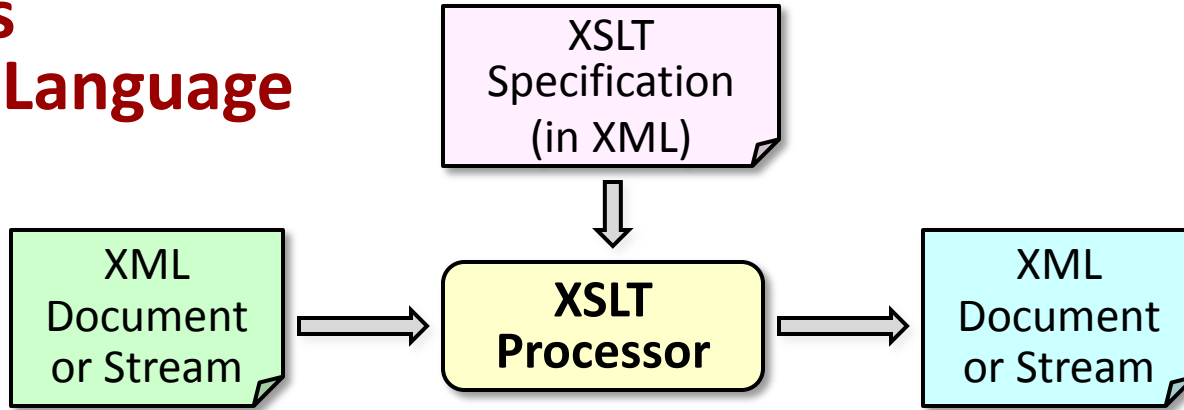
1. XPath ✓
2. XSLT
3. XQuery ✓

XSLT

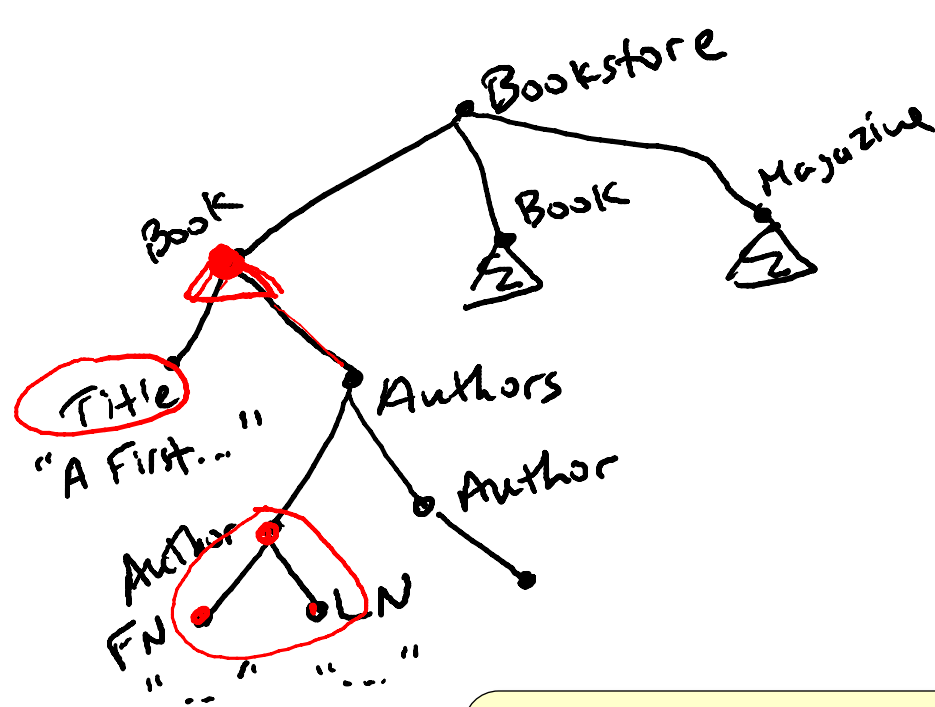
XSL = Extensible Stylesheet Language

XSLT = XSL (with) Transformations

XSLT as Query Language



XSLT: Rule-Based Transformations



- Match template and replace
 - Recursively match templates
 - Extract values
 - Iteration (for-each)
 - Conditionals (if)
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- Strange default/whitespace behavior
 - Implicit template priority

**Demo: XSLT examples
over bookstore data**