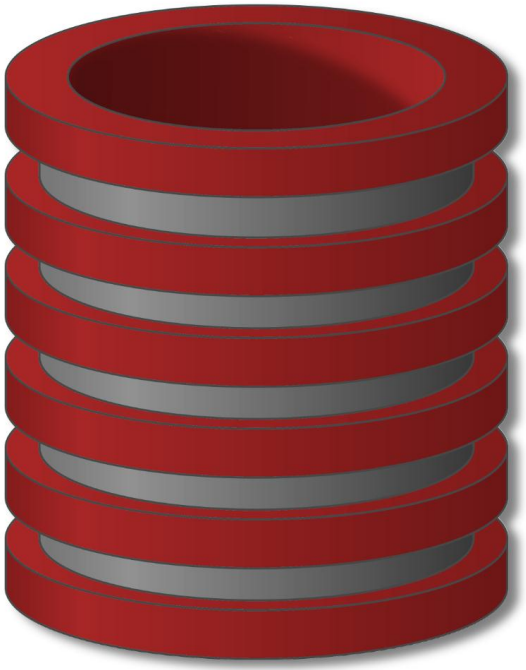


Querying XML

XSLT

Querying XML

Not nearly as mature as Querying Relational

- Newer
- No underlying algebra

Sequence of development

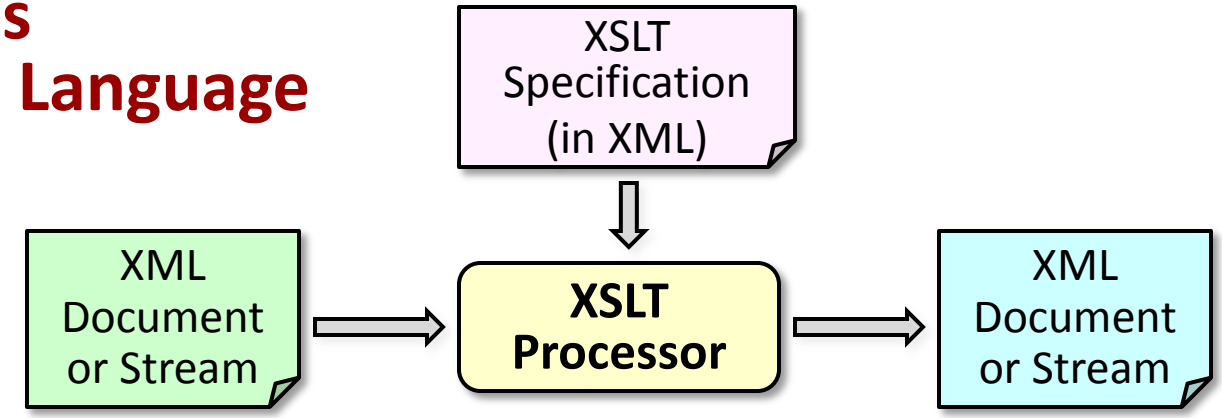
1. XPath ✓
2. XSLT
3. XQuery ✓

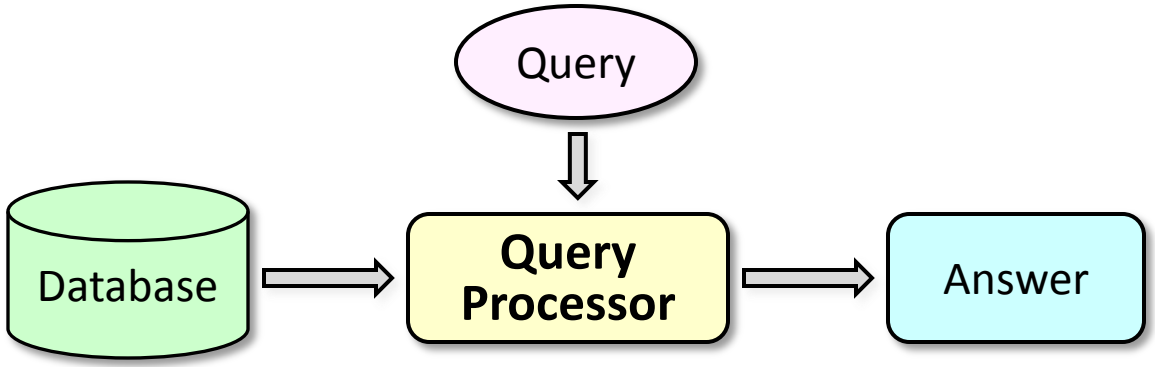
XSLT

XSL = *Extensible Stylesheet Language*

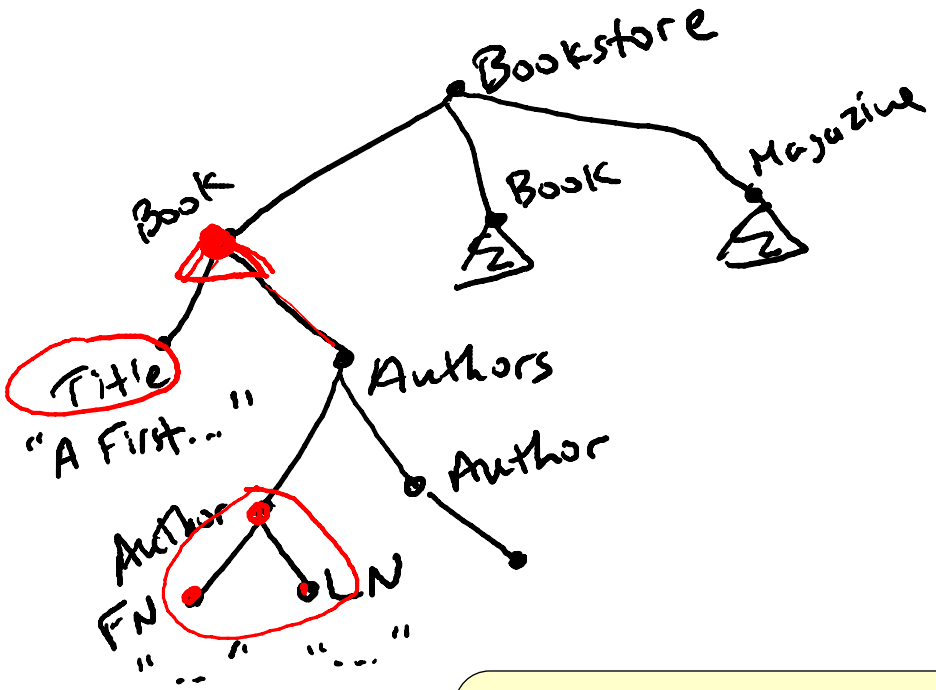
XSLT = *XSL* (with) *Transformations*

XSLT as Query Language





XSLT: Rule-Based Transformations



- Match template and replace
- Recursively match templates
- Extract values
- Iteration (for-each)
- Conditionals (if)

- Strange default/whitespace behavior
- Implicit template priority

Demo: XSLT examples over bookstore data