

Querying XML

XQuery

Querying XML

Not nearly as mature as Querying Relational

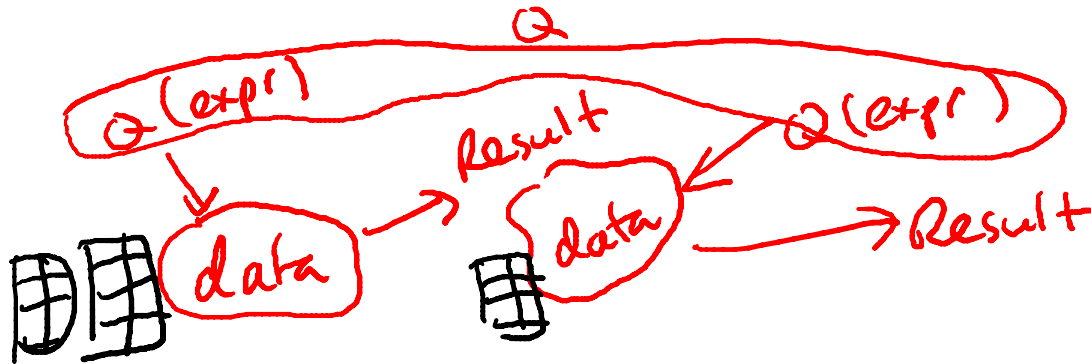
- Newer
- No underlying algebra

Sequence of development

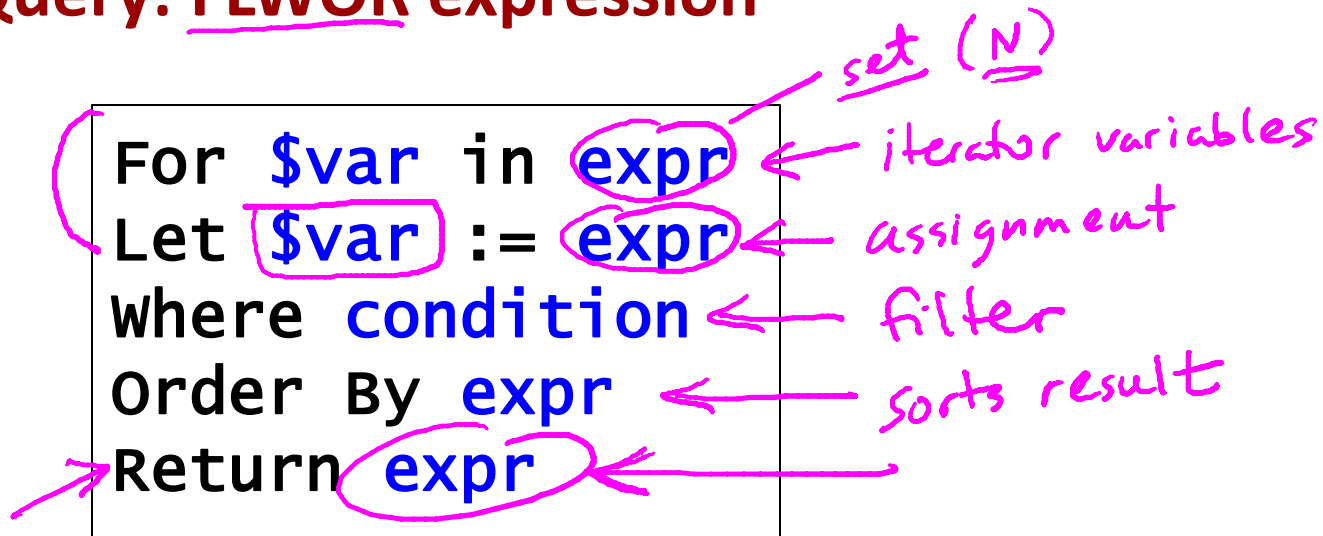
1. XPath ✓
2. XSLT ←
3. XQuery

XQuery

- Expression language (compositional)
- Each expression operates on & returns *sequence of elements* XML document, XML stream
- XPath is one type of expression



XQuery: FLWOR expression



- All except **Return** are optional
- **For** and **Let** can be repeated and interleaved

Mixing queries and XML

<Result> { ...query goes here... } </Result>
"evaluate me"

Demo: XQuery examples
over bookstore data