



XQuery

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XQuery is “a query language ... designed to be broadly applicable across many types of XML data sources.”

— XQuery 3.1: An XML Query Language

In simpler terms, XQuery can query, search, and transform documents in XML, JSON, and even CSV



XQuery

Prolog

xquery version "3.1";

Query Body

.



FLWOR Expressions

- for
 - let
 - where
 - order by
 - return
-
- group by
 - count



Grouping Rhyming Words

```
for $l in $poem//l

group by $rhyme := fn:data($l/rhyme/@label)

return element {$rhyme}

    {

        $l/rhyme/text()

        ! (fn:string-join(., " "))

        ! (fn:translate(., ".—", ""))

    }
```



Uses cases for XQuery & TEI

- Analysis of granual patterns in large TEI corpora
- Integrating data from APIs into TEI
- Making an interactive web application for TEI