

== XQuery Summary ==

This is a simplified description of the core of the language. Remember that

- expressions can be arbitrarily nested
- when the value of an expression needs to be treated as a boolean, if it's not already a boolean its effective boolean value will be used.

(: Comments look very happy, like this. :)

XPath expressions: as we saw before

FLWOR expressions:

```
[ for <variable> in <expression> | let <variable> := <expression> ]+
[ where <expression> ]
[ order by <expression> [ ascending | descending ] ]
return <expression>
```

XML itself!:

An expression can be straight XML

Use {} to get something evaluated

Sequence expression:

(may need to surround in brackets to get desired operator precedence, depending on context):

```
<expression> , <expression>
```

Conditional expression:

```
if ( <expression> ) then <expression> else <expression>
```

Quantified expressions:

```
[ some | every ] <variable> in <expression> satisfies <expression>
```

Set operator expression:

```
<expression> [ union | intersect | except ] <expression>
```

Logical expression: Can use and, or, not