NPRG036: XML Technologies

Practical Classes 9 and 10:

XQuery

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Expressions

- XQuery expressions
 - XPath path expressions
 - Computed and direct constructors
 - FLWOR expressions
 - Conditional expressions
 - Universal and existential quantifiers

Constructors

Direct constructors

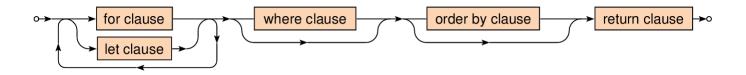
Constructors

Computed constructors

```
• document { content }
• element name { content }
• attribute name { value }
• text { text }
• comment { text }
• processing-instruction { target } { content }
```

FLWOR Expressions

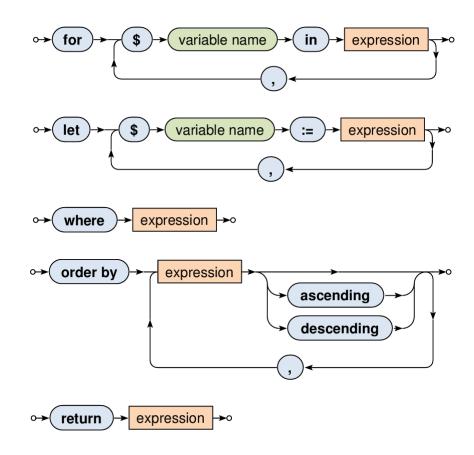
FLWOR clauses



- FOR clause: items selection
- LET clause: auxiliary assignments
- WHERE clause: filtering conditions
- ORDER BY clause: result ordering
- RETURN clause: result construction

FLWOR Expressions

FLWOR clauses

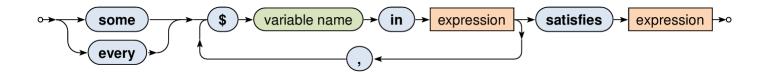


Other Constructs

Conditional expressions



- Quantified expressions
 - Existential / universal quantifier



Comparisons

- Value comparison
 - eq, ne, lt, le, ge, gt
- General comparison

- Node comparison
 - is, <<, >>

