Node selector

Expression	Description
/	Selects the *document root* node (absolute path)
node	Selects the node (relative path)
//	Selects all descendent nodes of the current node that match the selection
.	Selects the current node
..	Selects the parent of the current node
@	Selects attribute nodes

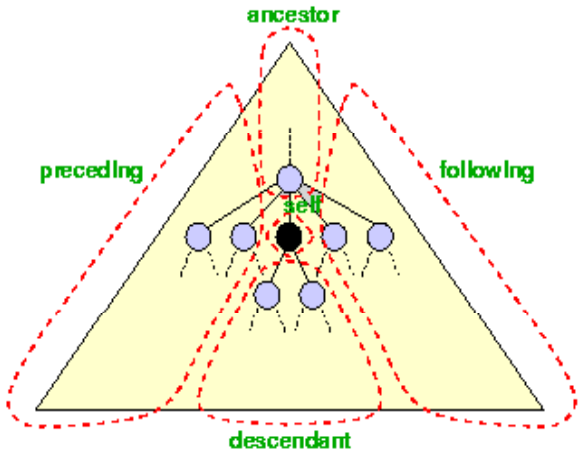
Node selector: exercise

Result	**Path Expression**
Selects the *document root* node	? ?
Selects the *bookstore element* node	? ?
Selects all *book element* nodes	? ?
Selects all *price element* nodes	? ?
Selects all *lang attribute* nodes	?
?	././.
?	/bookstore//@lang/../..
?	./book/tilte/@lang

Node selector: more exercise

Result	**Path Expression**
Selects *text* nodes of all *price element* nodes	?
Select all child nodes of *book element* nodes	?
Select all *comment* nodes	?
Select all nodes except attribute nodes	?
Select all attribute nodes	?
?	/bookstore/book/text()
?	/bookstore/book/title/..//@*

Complete set of Axes



- ***self*** -- the context node itself
- ***child*** -- the children of the context node
- ***descendant*** -- all descendants (children+)
- ***parent*** -- the parent (empty if at the root)
- ***ancestor*** -- all ancestors from the parent to the r[illegible]
- ***descendant-or-self*** -- the union of descendant and self
- ***ancestor-or-self*** -- the union of ancestor and self

- ***following-sibling*** -- siblings to the right
- ***preceding-sibling*** -- siblings to the left
- ***following*** -- all following nodes in the document, excluding descendants

- ***preceding*** -- all preceding nodes in the document, excluding ancestors
- ***attribute*** -- the attributes of the context node

Axes: exercise

Result	**Path Expression**
Selects *book element* nodes	?
Select all *isbn attribute* nodes	?
Select *title* **and** *price element* nodes	?
?	/child::book
?	/bookstore/book/following-sibling::book
?	/bookstore/node()/descendant-or-self::node()
?	/descendant::title/@*/parent::title/following::node()

Predicate: summary

- ***[position() op #], [last()]***
  - op: =, !=, <, >, <=, >=
  - test position among siblings
- ***[attribute::name op “value"]***
  - op: =, !=, <, >, <=, >=
  - test equality of an attribute
- ***[axis:nodeSelector]***
  - test pattern

Predicate: exercise

Result	**Path Expression**
Selects the first *book element* that is the child of the bookstore element.	?
	?
Select *book element* nodes which has a child *title element* with *lang* attribute value no equal to “eng”.	?
Selects the second to last *book element*	?
Selects all nodes which have an attr	?
Selects nodes with an attribute named *lang* or has a child element named *price.*	?
Selects all the *title element* of all *book elements* with a price greater than 35.00	/bookstore/book[price>35.00]/title
?	/bookstore/book[position()>1 and attribute::isbn="111111"]
?	/bookstore/book/title[last()]