DEFINITIONS

- **nodes:** Elements, attributes, namespace, comments, documents nodes
- **atomic values:** Nodes with no children or parent
- **items:** Atomic values or nodes

Relationships between nodes are as usual

MOST USED SELECTIONS

- *nodename :* select all the nodes with such name
- */ :* select from the root node (also starts absolute path)
- *// :* select from the current node, no matter where
- *. :* select the current node
- *.. :* select the parent of the node
- *@ :* select the attributes
- *| :* concatenate selections as ANDs

Wildcards:

- ** :* select all element nodes
- *@* :* select all attribute nodes
- *node :* select any node of any kind

PREDICATES

Used to get specific values

- *[1] :* select the first element
- *[last()] :* select the last element
- *[position()<3] :* select first two elements
- *[@lang] :* select elements with attribute lang
- *[@lang='en'] :* select elements with attribute
- *[cost<20] :* select elements with element cost which is less than 20

AXES

The syntax is: axisname::nodename[predicate]. Ex. child::student[@name]
Most useful: ancestor::nodename[predicate]
              parent::nodename[predicate]
Can find more at https://www.w3schools.com/xml/xpath_axes.asp

OPERATORS

All listed at https://www.w3schools.com/xml/xpath_operators.asp