**XQuery Syntax Examples**

**FLOWR Examples with different Prologs:**

xquery version "3.0";

**for** $player **in** doc("national.xml")/LEAGUE/PLAYER

**let** $leagueavg := 20

**where** $player/HR > $leagueavg

**order** **by** $player/HR

**return** $player/NAME

Prolog;

Body

xquery version "3.0";

**declare** variable $doc := doc("national.xml");

**for** $player **in** $doc/LEAGUE/PLAYER

**let** $leagueavg := 20

**where** $player/HR >= $leagueavg

**order** **by** $player/HR

**return** $player/NAME

Prolog;

Body

**XML Formatting Examples:**

xquery version "3.0";

**declare** variable $doc := doc("national.xml");

**for** $player **in** $doc/LEAGUE/PLAYER

**return**

 <batter>

 <name>{data($player/NAME)}</name>

 <total>{data($player/AVG)}</total>

 </batter>

XML within XQuery

xquery version "3.0";

**declare** variable $doc := doc("national.xml");

<league>

 {

 **for** $player **in** $doc/LEAGUE/PLAYER

 **return**

 <batter>

 <name>{data($player/NAME)}</name>

 <total>{data($player/AVG)}</total>

 </batter>

 }

</league>

XQuery within XML

**IF Expression**

xquery version "3.0";

**declare** variable $doc := doc("national.xml");

**for** $player **in** $doc/LEAGUE/PLAYER

**return**

 **if** ($player/TEAM = "NYM")

 **then** $player/NAME

 **else** ()