**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** ()