

XQUERY - IF THEN ELSE

http://www.tutorialspoint.com/xquery/xquery_ifthenelse.htm

Copyright © tutorialspoint.com

XQuery provides a very useful if-then-else construct to check the validity of the input values passed. Given below is the syntax of the if-then-else construct.

Syntax

```
if (condition) then
...
else
...
```

Example

We will use the following books.xml file and apply to it XQuery expression containing an if-then-else construct to retrieve the titles of those books with a price value that is greater than 30.

books.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<books>
  <book category="JAVA">
    <title lang="en">Learn Java in 24 Hours</title>
    <author>Robert</author>
    <year>2005</year>
    <price>30.00</price>
  </book>

  <book category="DOTNET">
    <title lang="en">Learn .Net in 24 hours</title>
    <author>Peter</author>
    <year>2011</year>
    <price>40.50</price>
  </book>

  <book category="XML">
    <title lang="en">Learn XQuery in 24 hours</title>
    <author>Robert</author>
    <author>Peter</author>
    <year>2013</year>
    <price>50.00</price>
  </book>

  <book category="XML">
    <title lang="en">Learn XPath in 24 hours</title>
    <author>Jay Ban</author>
    <year>2010</year>
    <price>16.50</price>
  </book>
</books>
```

The following XQuery expression is to be applied on the above XML document.

books.xqy

```
<result>
{
  if(not(doc("books.xml"))) then (
    <error>
      <message>books.xml does not exist</message>
    </error>
  )
}
```

```
    else (  
        for $x in doc("books.xml")/books/book  
        where $x/price>30  
        return $x/title  
    )  
}  
</result>
```

Output

```
<result>  
  <title lang="en">Learn .Net in 24 hours</title>  
  <title lang="en">Learn XQuery in 24 hours</title>  
</result>
```

Verify the Result

To verify the result, replace the contents of *books.xqy* (given in the [Environment Setup](#) chapter) with the above XQuery expression and execute the XQueryTester java program.