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XSLT <xsl:for-each> Element

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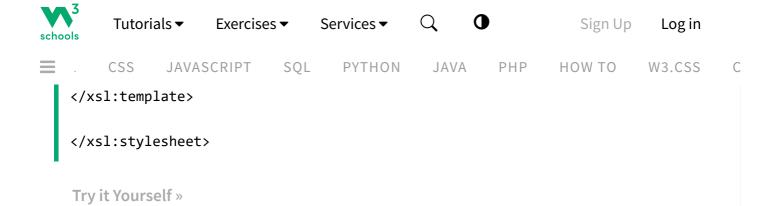
The <xsl:for-each> element allows you to do looping in XSLT.

The <xsl:for-each> Element

The XSL <xsl:for-each> element can be used to select every XML element of a specified node-set:

Example

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"</pre>
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:template match="/">
 <html>
 <body>
 <h2>My CD Collection</h2>
 Title
    Artist
   <xsl:for-each select="catalog/cd">
    <xsl:value-of select="title"/>
    <xsl:value-of select="artist"/>
```



Note: The value of the **select** attribute is an XPath expression. An XPath expression works like navigating a file system; where a forward slash (/) selects subdirectories.

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Filtering the Output

We can also filter the output from the XML file by adding a criterion to the select attribute in the <xsl:for-each> element.

<xsl:for-each select="catalog/cd[artist='Bob Dylan']">

Legal filter operators are:

- \bullet = (equal)
- != (not equal)
- < less than
- > greater than

Take a look at the adjusted XSL style sheet:



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  /: YIIIT AELZTOII- T'A GIICONTIIR- OIL-O :>
   <xsl:stylesheet version="1.0"</pre>
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:template match="/">
    <html>
    <body>
    <h2>My CD Collection</h2>
    Title
       Artist
      <xsl:for-each select="catalog/cd[artist='Bob Dylan']">
       <xsl:value-of select="title"/>
       <xsl:value-of select="artist"/>
      </xsl:for-each>
    </body>
    </html>
   </xsl:template>
   </xsl:stylesheet>
```

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