



**Millions of developers: one call.**  
The world's leading developer advertising group

**SHARE THIS PAGE**



**WEB HOSTING**

[Best Web Hosting](#)

[eUK Web Hosting](#)

[UK Reseller Hosting](#)

[Domain, Hosting & Email](#)

**WEB BUILDING**

[Download XML Editor](#)

[FREE Website BUILDER](#)

[FREE Website Creator](#)

[Best Website Templates](#)

**STATISTICS**

[Browser Statistics](#)

[OS Statistics](#)

[Display Statistics](#)



**WHICH MESSAGING  
API IS RIGHT  
FOR YOU?**



## XSLT Basic

[XSLT HOME](#)

[XSL Languages](#)

[XSLT Introduction](#)

[XSLT Browsers](#)

[XSLT Transform](#)

[XSLT <template>](#)

[XSLT <value-of>](#)

**[XSLT <for-each>](#)**

[XSLT <sort>](#)

[XSLT <if>](#)

[XSLT <choose>](#)

[XSLT Apply](#)

## XSLT Advanced

[XSLT on the Client](#)

[XSLT on the Server](#)

[XSLT Edit XML](#)

[XSLT Editors](#)

[XSLT Summary](#)

## XSLT Examples

[XSLT Examples](#)

## XSLT References

[XSLT Elements](#)

[XSLT Functions](#)

# XSLT <xsl:for-each> Element

[« Previous](#)

[Next Chapter »](#)

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="ISO-8859-1"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

<xsl:template match="/">
<html>
<body>
<h2>My CD Collection</h2>
<table border="1">
<tr bgcolor="#9acd32">
<th>Title</th>
<th>Artist</th>
</tr>
<xsl:for-each select="catalog/cd">
<tr>
<td><xsl:value-of select="title"/></td>
<td><xsl:value-of select="artist"/></td>
</tr>
</xsl:for-each>
</table>
</body>
</html>
</xsl:template>

</xsl:stylesheet>
```

[Try it yourself »](#)

**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.

## 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:

- = (equal)
- != (not equal)
- &lt; less than
- &gt; greater than

Take a look at the adjusted XSL style sheet:

### Example

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

<xsl:template match="/">
<html>
<body>
<h2>My CD Collection</h2>
<table border="1">
<tr bgcolor="#9acd32">
<th>Title</th>
<th>Artist</th>
</tr>
<xsl:for-each select="catalog/cd[artist='Bob Dylan']">
<tr>
<td><xsl:value-of select="title"/></td>
<td><xsl:value-of select="artist"/></td>
</tr>
</xsl:for-each>
</table>
</body>
</html>
</xsl:template>
```

```
</xsl:stylesheet>
```

[Try it yourself »](#)[« Previous](#)[Next Chapter »](#)

### Top 10 Tutorials

- » [HTML Tutorial](#)
- » [HTML5 Tutorial](#)
- » [CSS Tutorial](#)
- » [CSS3 Tutorial](#)
- » [JavaScript Tutorial](#)
- » [jQuery Tutorial](#)
- » [SQL Tutorial](#)
- » [PHP Tutorial](#)
- » [ASP.NET Tutorial](#)
- » [XML Tutorial](#)

### Top 10 References

- » [HTML/HTML5 Reference](#)
- » [CSS 1,2,3 Reference](#)
- » [CSS 3 Browser Support](#)
- » [JavaScript](#)
- » [HTML DOM](#)
- » [XML DOM](#)
- » [PHP Reference](#)
- » [jQuery Reference](#)
- » [ASP.NET Reference](#)
- » [HTML Colors](#)

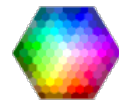
### Examples

- » [HTML Examples](#)
- » [CSS Examples](#)
- » [XML Examples](#)
- » [JavaScript Examples](#)
- » [HTML DOM Examples](#)
- » [XML DOM Examples](#)
- » [AJAX Examples](#)
- » [ASP.NET Examples](#)
- » [Razor Examples](#)
- » [ASP Examples](#)
- » [SVG Examples](#)

### Quizzes

- » [HTML Quiz](#)
- » [HTML5 Quiz](#)
- » [XHTML Quiz](#)
- » [CSS Quiz](#)
- » [JavaScript Quiz](#)
- » [jQuery Quiz](#)
- » [XML Quiz](#)
- » [ASP Quiz](#)
- » [PHP Quiz](#)
- » [SQL Quiz](#)

### Color Picker



### Statistics

- » [Browser Statistics](#)
- » [Browser OS](#)
- » [Browser Display](#)



[REPORT ERROR](#) | [HOME](#) | [TOP](#) | [PRINT](#) | [FORUM](#) | [ABOUT](#) | [ADVERTISE WITH US](#)

W3Schools is optimized for learning, testing, and training. Examples might be simplified to improve reading and basic understanding. Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant full correctness of all content. While using this site, you agree to have read and accepted our [terms of use](#) and [privacy policy](#). Copyright 1999-2013 by Refsnes Data. All Rights Reserved.