**W3Schools – Transformaciones**

*Vía:* [*https://www.w3schools.com/xml/xsl\_intro.asp*](https://www.w3schools.com/xml/xsl_intro.asp)

Documento sobre el que se aplican las transformaciones: catalog.xml (recogido en anexo)

W3S-1)

Transformación Resultado

|  |  |
| --- | --- |
| <?xml version="1.0" encoding="UTF-8"?>  <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>  <tr>  <td><xsl:value-of select="catalog/cd/title"/></td>  <td><xsl:value-of select="catalog/cd/artist"/></td>  </tr>  </table>  </body>  </html>  </xsl:template>  </xsl:stylesheet> | <?xml version="1.0" encoding="UTF-8"?>  <html>  <body>  <h2>My CD Collection</h2>  <table border="1">  <tr bgcolor="#9acd32">  <th>Title</th>  <th>Artist</th>  </tr>  <tr>  <td>Empire Burlesque</td>  <td>Bob Dylan</td>  </tr>  </table>  </body>  </html> |
|  |

W3S-2)

Transformación Resultado

|  |  |
| --- | --- |
| <?xml version="1.0" encoding="UTF-8"?>  <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> | <?xml version="1.0" encoding="UTF-8"?>  <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> |
| …  …  … |

W3S-3)

Transformación Resultado

|  |  |
| --- | --- |
| <?xml version="1.0" encoding="UTF-8"?>  <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">  <xsl:sort select="artist"/>  <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> | <?xml version="1.0" encoding="UTF-8"?>  <html>  <body>  <h2>My CD Collection</h2>  <table border="1">  <tr bgcolor="#9acd32">  <th>Title</th>  <th>Artist</th>  </tr>  <tr>  <td>Romanza</td>  <td>Andrea Bocelli</td>  </tr>  <tr>  <td>One night only</td>  <td>Bee Gees</td>  </tr>  …  …  …  <tr>  <td>Big Willie style</td>  <td>Will Smith</td>  </tr>  </table>  </body>  </html> |
| …  …  … |

W3S-4)

Transformación Resultado

|  |  |
| --- | --- |
| <?xml version="1.0" encoding="UTF-8"?>  <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>  <th>Price</th>  </tr>  <xsl:for-each select="catalog/cd">  <xsl:if test="price &gt; 10">  <tr>  <td><xsl:value-of select="title"/></td>  <td><xsl:value-of select="artist"/></td>  <td><xsl:value-of select="price"/></td>  </tr>  </xsl:if>  </xsl:for-each>  </table>  </body>  </html>  </xsl:template>  </xsl:stylesheet> | <?xml version="1.0" encoding="UTF-8"?>  <html>  <body>  <h2>My CD Collection</h2>  <table border="1">  <tr bgcolor="#9acd32">  <th>Title</th>  <th>Artist</th>  <th>Price</th>  </tr>  <tr>  <td>Empire Burlesque</td>  <td>Bob Dylan</td>  <td>10.90</td>  </tr>  <tr>  <td>Still got the blues</td>  <td>Gary Moore</td>  <td>10.20</td>  </tr>  <tr>  <td>One night only</td>  <td>Bee Gees</td>  <td>10.90</td>  </tr>  <tr>  <td>Romanza</td>  <td>Andrea Bocelli</td>  <td>10.80</td>  </tr>  <tr>  <td>Black angel</td>  <td>Savage Rose</td>  <td>10.90</td>  </tr>  <tr>  <td>1999 Grammy Nominees</td>  <td>Many</td>  <td>10.20</td>  </tr>  </table>  </body>  </html> |
| …  …  … |

W3S-5)

Transformación Resultado

|  |  |
| --- | --- |
| <?xml version="1.0" encoding="UTF-8"?>  <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>  <xsl:choose>  <xsl:when test="price > 10">  <td bgcolor="#ff00ff">  <xsl:value-of select="artist"/>  </td>  </xsl:when>  <xsl:otherwise>  <td><xsl:value-of select="artist"/></td>  </xsl:otherwise>  </xsl:choose>  </tr>  </xsl:for-each>  </table>  </body>  </html>  </xsl:template>  </xsl:stylesheet> | ?xml version="1.0" encoding="UTF-8"?>  <html>  <body>  <h2>My CD Collection</h2>  <table border="1">  <tr bgcolor="#9acd32">  <th>Title</th>  <th>Artist</th>  </tr>  <tr>  <td>Empire Burlesque</td>  <td bgcolor="#ff00ff">Bob Dylan</td>  </tr>  <tr>  <td>Hide your heart</td>  <td>Bonnie Tyler</td>  </tr>  …  …  …  <tr>  <td>Red</td>  <td>The Communards</td>  </tr>  <tr>  <td>Unchain my heart</td>  <td>Joe Cocker</td>  </tr>  </table>  </body>  </html> |
| …  …  … |

W3S-6)

Transformación Resultado

|  |  |
| --- | --- |
| <?xml version="1.0" encoding="UTF-8"?>  <xsl:stylesheet version="1.0"  xmlns:xsl="http://www.w3.org/1999/XSL/Transform">  <xsl:template match="/">  <html>  <body>  <h2>My CD Collection</h2>  <xsl:apply-templates/>  </body>  </html>  </xsl:template>  <xsl:template match="cd">  <p>  <xsl:apply-templates select="title"/>  <xsl:apply-templates select="artist"/>  </p>  </xsl:template>  <xsl:template match="title">  Title: <span style="color:#ff0000">  <xsl:value-of select="."/></span>  <br />  </xsl:template>  <xsl:template match="artist">  Artist: <span style="color:#00ff00">  <xsl:value-of select="."/></span>  <br />  </xsl:template>  </xsl:stylesheet> | <?xml version="1.0" encoding="UTF-8"?>  <html>  <body><h2>My CD Collection</h2>  <p>  Title: <span style="color:#ff0000">Empire Burlesque</span><br/>  Artist: <span style="color:#00ff00">Bob Dylan</span><br/></p>  <p>  Title: <span style="color:#ff0000">Hide your heart</span><br/>  Artist: <span style="color:#00ff00">Bonnie Tyler</span><br/></p>  <p>  Title: <span style="color:#ff0000">Greatest Hits</span><br/>  Artist: <span style="color:#00ff00">Dolly Parton</span><br/></p>  <p>  Title: <span style="color:#ff0000">Still got the blues</span><br/>  Artist: <span style="color:#00ff00">Gary Moore</span><br/></p>  <p>  …  …  …  <p>  Title: <span style="color:#ff0000">Unchain my heart</span><br/>  Artist: <span style="color:#00ff00">Joe Cocker</span><br/></p>  </body>  </html> |
| …  …  … |

**Anexo: catalog.xml**

<?xml version="1.0" encoding="UTF-8"?>

<catalog>

<cd>

<title>Empire Burlesque</title>

<artist>Bob Dylan</artist>

<country>USA</country>

<company>Columbia</company>

<price>10.90</price>

<year>1985</year>

</cd>

<cd>

<title>Hide your heart</title>

<artist>Bonnie Tyler</artist>

<country>UK</country>

<company>CBS Records</company>

<price>9.90</price>

<year>1988</year>

</cd>

<cd>

<title>Greatest Hits</title>

<artist>Dolly Parton</artist>

<country>USA</country>

<company>RCA</company>

<price>9.90</price>

<year>1982</year>

</cd>

<cd>

<title>Still got the blues</title>

<artist>Gary Moore</artist>

<country>UK</country>

<company>Virgin records</company>

<price>10.20</price>

<year>1990</year>

</cd>

<cd>

<title>Eros</title>

<artist>Eros Ramazzotti</artist>

<country>EU</country>

<company>BMG</company>

<price>9.90</price>

<year>1997</year>

</cd>

<cd>

<title>One night only</title>

<artist>Bee Gees</artist>

<country>UK</country>

<company>Polydor</company>

<price>10.90</price>

<year>1998</year>

</cd>

<cd>

<title>Sylvias Mother</title>

<artist>Dr.Hook</artist>

<country>UK</country>

<company>CBS</company>

<price>8.10</price>

<year>1973</year>

</cd>

<cd>

<title>Maggie May</title>

<artist>Rod Stewart</artist>

<country>UK</country>

<company>Pickwick</company>

<price>8.50</price>

<year>1990</year>

</cd>

<cd>

<title>Romanza</title>

<artist>Andrea Bocelli</artist>

<country>EU</country>

<company>Polydor</company>

<price>10.80</price>

<year>1996</year>

</cd>

<cd>

<title>When a man loves a woman</title>

<artist>Percy Sledge</artist>

<country>USA</country>

<company>Atlantic</company>

<price>8.70</price>

<year>1987</year>

</cd>

<cd>

<title>Black angel</title>

<artist>Savage Rose</artist>

<country>EU</country>

<company>Mega</company>

<price>10.90</price>

<year>1995</year>

</cd>

<cd>

<title>1999 Grammy Nominees</title>

<artist>Many</artist>

<country>USA</country>

<company>Grammy</company>

<price>10.20</price>

<year>1999</year>

</cd>

<cd>

<title>For the good times</title>

<artist>Kenny Rogers</artist>

<country>UK</country>

<company>Mucik Master</company>

<price>8.70</price>

<year>1995</year>

</cd>

<cd>

<title>Big Willie style</title>

<artist>Will Smith</artist>

<country>USA</country>

<company>Columbia</company>

<price>9.90</price>

<year>1997</year>

</cd>

<cd>

<title>Tupelo Honey</title>

<artist>Van Morrison</artist>

<country>UK</country>

<company>Polydor</company>

<price>8.20</price>

<year>1971</year>

</cd>

<cd>

<title>Soulsville</title>

<artist>Jorn Hoel</artist>

<country>Norway</country>

<company>WEA</company>

<price>7.90</price>

<year>1996</year>

</cd>

<cd>

<title>The very best of</title>

<artist>Cat Stevens</artist>

<country>UK</country>

<company>Island</company>

<price>8.90</price>

<year>1990</year>

</cd>

<cd>

<title>Stop</title>

<artist>Sam Brown</artist>

<country>UK</country>

<company>A and M</company>

<price>8.90</price>

<year>1988</year>

</cd>

<cd>

<title>Bridge of Spies</title>

<artist>T`Pau</artist>

<country>UK</country>

<company>Siren</company>

<price>7.90</price>

<year>1987</year>

</cd>

<cd>

<title>Private Dancer</title>

<artist>Tina Turner</artist>

<country>UK</country>

<company>Capitol</company>

<price>8.90</price>

<year>1983</year>

</cd>

<cd>

<title>Midt om natten</title>

<artist>Kim Larsen</artist>

<country>EU</country>

<company>Medley</company>

<price>7.80</price>

<year>1983</year>

</cd>

<cd>

<title>Pavarotti Gala Concert</title>

<artist>Luciano Pavarotti</artist>

<country>UK</country>

<company>DECCA</company>

<price>9.90</price>

<year>1991</year>

</cd>

<cd>

<title>The dock of the bay</title>

<artist>Otis Redding</artist>

<country>USA</country>

<company>Stax Records</company>

<price>7.90</price>

<year>1968</year>

</cd>

<cd>

<title>Picture book</title>

<artist>Simply Red</artist>

<country>EU</country>

<company>Elektra</company>

<price>7.20</price>

<year>1985</year>

</cd>

<cd>

<title>Red</title>

<artist>The Communards</artist>

<country>UK</country>

<company>London</company>

<price>7.80</price>

<year>1987</year>

</cd>

<cd>

<title>Unchain my heart</title>

<artist>Joe Cocker</artist>

<country>USA</country>

<company>EMI</company>

<price>8.20</price>

<year>1987</year>

</cd>

</catalog>