

Assignment No. 02

- 1) Design a catalogue of books in the library. It should maintain the title of the book, author, publisher, price and year of release. Perform the following using XSL elements.
 - a) Display all the books in the form of a table displaying the title, author and year.
 - b) Sort the books in the ascending order of their price.

Sol:

➤ **cd.xsl**

```
<?xml version="1.0"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:template match="/">
  <html>
    <body>
      <h2>CD Catalogue</h2>
      <table border="1">
        <tr bgcolor="yellow">
          <th align="left">Title</th>
          <th align="left">Author</th>
          <th align="left">Year</th>
        </tr>

        <xsl:for-each select="library/book">
          <tr>
            <td><xsl:value-of select="title"/></td>
            <td><xsl:value-of select="author"/></td>
            <td><xsl:value-of select="year"/></td>
          </tr>
        </xsl:for-each>
      </table>
    </body>
  </html>
</xsl:template>
</xsl:stylesheet>
```

➤ **sort.xsl**

```
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:template match="/">
  <html>
    <body>
      <h2> My Library </h2>
      <table border="1">
        <tr bgcolor="yellow">
          <th align="left"> Title </th>
          <th align="left"> Author </th>
          <th align="left"> Year </th>
        </tr>
```

```

<xsl:for-each select="library/book">
  <xsl:sort select="year"/>
  <tr><td> <xsl:value-of select="title"/></td>
  <td> <xsl:value-of select="author"/></td>
  <td> <xsl:value-of select="year"/></td>
</tr>
</xsl:for-each>
</table>
</body>
</html>
</xsl:template>
</xsl:stylesheet>

```

➤ **cd.xml**

```

<?xml version="1.0"?>
<?xml-stylesheet type="text/xsl" href="cd.xsl"?>
<catalogue>
  <cd>
    <title>A Scanner Darkly</title>
    <author>Philip Dick</author>
    <publisher>Wiley</publisher>
    <price>16.87</price>
    <year>2002</year>
  </cd>

  <cd>
    <title>Dr. BloodMoney</title>
    <author>Philip Dick</author>
    <publisher>Wiley</publisher>
    <price>28.55</price>
    <year>2001</year>
  </cd>

  <cd>
    <title>Ubik</title>
    <author>Philip Dick</author>
    <publisher>Wiley</publisher>
    <price>10.5</price>
    <year>2002</year>
  </cd>
</catalogue>

```