

Pre-Lab Task:**Problem Description**

1. Create XML document which store the information about Library/Bookstore. more than 5 books.

Xml:

```
<?xml version="1.0" encoding="UTF-8"?>
<books>
  <book>
    <title>Title -: Web Programming</title>
    <author>Author -: Chrisbates</author>
    <publisher>Publisher -: Wiley</publisher>
    <edition>Edition -: 3</edition>
    <price> Price -: 300</price>
  </book>
  <book>
    <title>Title -: Internet world-wide-web</title>
    <author>Author -: Ditel</author>
    <publisher>Publisher -: Pearson</publisher>
    <edition>Edition -: 3</edition>
    <price>Price -: 400</price>
  </book>
  <book>
    <title>Title -: Computer Networks</title>
    <author>Author -: Foruouzan</author>
    <publisher>Publisher -: Mc Graw Hill</publisher>
    <edition>Edition -: 5</edition>
    <price>Price -: 700</price>
  </book>
  <book>
    <title>Title -: DBMS Concepts</title>
    <author>Author -: Navath</author>
    <publisher>Publisher -: Oxford</publisher>
    <edition>Edition -: 5</edition>
```

```

        <price>Price -: 600</price>
    </book>
    <book>
        <title>Title -: Linux Programming</title>
        <author>Author -: Subhitab Das</author>
        <publisher>Publisher -: Oxford</publisher>
        <edition>Edition -: 8</edition>
        <price>Price -: 300</price>
    </book>
</books>

```

In Lab Task:

1. Create XML document which store the information about Library/Bookstore. more than 5 books. to transform XML documents into other formats (like transforming XML into HTML).

books.xml:

```

<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="books.xsl"?>
<books>
    <book>
        <title>Web Programming</title>
        <author>Chrisbates</author>
        <publisher>Wiley</publisher>
        <edition>3</edition>
        <price>300</price>
    </book>
    <book>
        <title>Internet world-wide-web</title>
        <author>Ditel</author>
        <publisher>ANR</publisher>
        <edition>3</edition>
        <price>400</price>
    </book>
    <book>
        <title>Computer Networks</title>
        <author>Foruouzan</author>
    </book>

```

```

        <publisher>Mc Graw Hill</publisher>
        <edition>5</edition>
        <price>700</price>
    </book>
    <book>
        <title>DBMS Concepts</title>
        <author>Navath</author>
        <publisher>Oxford</publisher>
        <edition>5</edition>
        <price>600</price>
    </book>
    <book>
        <title>Linux Programming</title>
        <author>Subhitab Anr</author>
        <publisher>Oxford</publisher>
        <edition>8</edition>
        <price>300</price>
    </book>
</books>

```

books.xsl:

```
<?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 Books Collection</h2>
```

```
      <table border="1">
```

```
<tr bgcolor="#9acd32">

  <th>Title</th>

  <th>Author</th>

  <th>Published</th>

  <th>Edition</th>

  <th>Price</th>

</tr>

<xsl:for-each select="books/book">

  <tr>

    <td>

      <xsl:value-of select="title"/>

    </td>

    <td>

      <xsl:value-of select="author"/>

    </td>

    <td>

      <xsl:value-of select="publisher"/>

    </td>

    <td>

      <xsl:value-of select="edition"/>

    </td>

    <td>

      <xsl:value-of select="price"/>

    </td>

  </tr>

</xsl:for-each>
```

```

        </td>

    </tr>

</xsl:for-each>

</table>

</body>

</html>

</xsl:template>

```

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

Post Lab Task:

1. Creating the XML file that contains the information about five students and displaying the XML file using XSLT.

Student.xml:

```

<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="student.xsl"?>
<studentlist>
    <student>
        <id>66</id>
        <regno>1920</regno>
        <name>Nikhil</name>
        <avg>98</avg>
        <dob>27-05-2002</dob>
        <mobilenno>456456</mobilenno>
        <distinction>Pass</distinction>
    </student>
    <student>
        <id>66</id>
        <regno>1920</regno>
        <name>Nikhil</name>
        <avg>98</avg>
        <dob>27-05-2002</dob>
    
```

```

        <mobilenumber>456456</mobilenumber>
        <distinction>Pass</distinction>
    </student>
    <student>
        <id>66</id>
        <regno>1920</regno>
        <name>Nikhil</name>
        <avg>98</avg>
        <dob>27-05-2002</dob>
        <mobilenumber>456456</mobilenumber>
        <distinction>Pass</distinction>
    </student>
    <student>
        <id>66</id>
        <regno>1920</regno>
        <name>Nikhil</name>
        <avg>98</avg>
        <dob>27-05-2002</dob>
        <mobilenumber>456456</mobilenumber>
        <distinction>Pass</distinction>
    </student>
    <student>
        <id>66</id>
        <regno>1920</regno>
        <name>Nikhil</name>
        <avg>98</avg>
        <dob>27-05-2002</dob>
        <mobilenumber>456456</mobilenumber>
        <distinction>Pass</distinction>
    </student>
</studentlist>

```

Student.xsl:

```
<?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>Student's List</h2>
```

```
<table border="1">
```

```
<tr bgcolor="#9acd32">
```

```
<th>ID</th>
```

```
<th>Reg. No</th>
```

```
<th>Name</th>
```

```
<th>Average</th>
```

```
<th>DOB</th>
```

```
<th>Mobile Number</th>
```

```
<th>Distinction</th>
```

```
</tr>
```

```
<xsl:for-each select="studentlist/student">
```

```
<tr>
```

```
<td>
```

```
<xsl:value-of select="id"/>
```

```
</td>
```

```
<td>
```

```
<xsl:value-of select="regno"/>
```

```
</td>
```

```
<td>
```

```
<xsl:value-of select="name"/>
```

</td>

<td>

<xsl:value-of select="avg"/>

</td>

<td>

<xsl:value-of select="dob"/>

</td>

<td>

<xsl:value-of select="mobilenno"/>

</td>

<td>

<xsl:value-of select="distinction"/>

</td>

</tr>

</xsl:for-each>

</table>

</body>

</html>

</xsl:template>

</xsl:stylesheet>