EXPERIMENT NO. 6

Problem Statement: Design an XML document to store information about a student in BCA college. The information must include USN, Name, and Name of College, Branch, Year of Joining and Email id. Make up sample data for 3 students. Create a CSS style sheet and display the document.

Program:

student.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="student.xslt"?>
<students>
   <student>
      <usn>MCA012</usn>
      <name>Atharva Mali</name>
      <college>VJTI, Mumbai</college>
      <branch>MCA</branch>
      <year>2023</year>
      <email>atharva@vjti.in</email>
   </student>
   <student>
      <usn>BCA304</usn>
      <name>Praniket Utturkar</name>
      <college>SPPU, Pune</college>
      <branch>BCA</branch>
      <year>2021</year>
      <email>praniket@sppu.edu</email>
   </student>
   <student>
      <usn>MSC026</usn>
      <name>Tushar Netale</name>
      <college>VIT, Pune</college>
      <branch>MSc</branch>
      <year>2019</year>
      <email>tushar@vit.ac.in</email>
   </student>
</students>
```

student.xslt

```xml
<?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>
         <head>
            <title>Student Information</title>
            <link rel="stylesheet" type="text/css" href="style.css" />
```

```
        </head>
        <body>
          <h1>Student Information</h1>
          <table>
            <tr>
              <th>USN</th>
              <th>Name</th>
              <th>College</th>
              <th>Branch</th>
              <th>Year of Joining</th>
              <th>Email id</th>
            </tr>
            <xsl:for-each select="students/student">
              <tr>
                <td class="usn">
                  <xsl:value-of select="usn" />
                </td>
                <td>
                  <xsl:value-of select="name" />
                </td>
                <td class="college">
                  <xsl:value-of select="college" />
                </td>
                <td>
                  <xsl:value-of select="branch" />
                </td>
                <td>
                  <xsl:value-of select="year" />
                </td>
                <td>
                  <xsl:value-of select="email" />
                </td>
              </tr>
            </xsl:for-each>
          </table>
        </body>
      </html>
    </xsl:template>
</xsl:stylesheet>
```

style.css

```
table {
  border-collapse: collapse;
  width: 100%;
}
```

```css
th,
td {
  padding: 8px;
  text-align: left;
  border-bottom: 1px solid #ddd;
}

th {
  background-color: #4caf50;
  color: white;
}

tr:hover {
  background-color: #f5f5f5;
}

.usn {
  font-weight: bold;
}

.college {
  font-style: italic;
}
```

Output:

Student Information

USN	Name	College	Branch	Year of Joining	Email id
MCA012	Atharva Mali	*VJTI, Mumbai*	MCA	2023	atharva@vjti.in
BCA304	Praniket Utturkar	*SPPU, Pune*	BCA	2021	praniket@sppu.edu
MSC026	Tushar Netale	*VIT, Pune*	MSc	2019	tushar@vit.ac.in