Assignment - 3

--employees.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="employees.xsl"?>
<employees>
   <employee>
      <id>E101</id>
      <name>Swaraj Gondchawar</name>
      <department>IT</department>
      <designation>Software Engineer</designation>
      <salary>56000</salary>
      <email>swaraj@gmail.com</email>
      <phone>9876543210</phone>
      <joining>2023-05-10</joining>
   </employee>
   <employee>
      <id>E102</id>
      <name>Sainath Kalyankar </name>
      <department>HR</department>
      <designation>HR Manager</designation>
      <salary>55000</salary>
      <email>SaiK@gmail.com</email>
      <phone>9123456700</phone>
      <joining>2022-03-10</joining>
   </employee>
   <employee>
      <id>E103</id>
      <name>Sameer Khandare</name>
      <department>Finance</department>
      <designation>Accountant</designation>
      <salary>51000</salary>
      <email>Sameeer@gmail.com</email>
      <phone>0123456789</phone>
      <joining>2021-11-20</joining>
   </employee>
</employees>
```

--employees.dtd

```dtd
<!ELEMENT employees (employee+)>
<!ELEMENT employee (id, name, department, designation, salary, email, phone, joining)>
<!ELEMENT id (#PCDATA)>
<!ELEMENT name (#PCDATA)>
```

```dtd
<!ELEMENT department (#PCDATA)>
<!ELEMENT designation (#PCDATA)>
<!ELEMENT salary (#PCDATA)>
<!ELEMENT email (#PCDATA)>
<!ELEMENT phone (#PCDATA)>
<!ELEMENT joining (#PCDATA)>
```

--employees.xsd

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="employees">
   <xs:complexType>
    <xs:sequence>
      <xs:element name="employee" maxOccurs="unbounded">
       <xs:complexType>
        <xs:sequence>
          <xs:element name="id" type="xs:string"/>
          <xs:element name="name" type="xs:string"/>
          <xs:element name="department" type="xs:string"/>
          <xs:element name="designation" type="xs:string"/>
          <xs:element name="salary" type="xs:decimal"/>
          <xs:element name="email" type="xs:string"/>
          <xs:element name="phone" type="xs:string"/>
          <xs:element name="joining" type="xs:date"/>
        </xs:sequence>
       </xs:complexType>
      </xs:element>
    </xs:sequence>
   </xs:complexType>
  </xs:element>
</xs:schema>
```

--employees.css

```css
body {
   font-family: Arial;
   background: #e8f3ff;
   margin: 0;
}
employees {
   display: block;
   padding: 20px;
}
```

```css
.employee-card {
    width: 90%;
    margin: 12px auto;
    padding: 20px;
    background: white;
    border-radius: 10px;
    border-left: 5px solid #0277bd;
    box-shadow: 0px 2px 10px rgba(0,0,0,0.1);
}
.employee-header {
    font-size: 18px;
    font-weight: bold;
    color: #01579b;
    margin-bottom: 10px;
}
.employee-field {
    margin: 4px 0;
    color: #444;
    font-size: 15px;
}
.employee-field span {
    font-weight: bold;
    color: #000;
}
```

--employees.xsl

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template match="/">
   <html>
    <head>
     <title>Employee List</title>
     <link rel="stylesheet" type="text/css" href="employees.css"/>
    </head>
    <body>
     <h2 style="text-align:center; font-family:Arial;">Employee Details</h2>
     <xsl:for-each select="employees/employee">
      <div class="employee-card">
       <div class="employee-header">
        Employee ID: <xsl:value-of select="id"/>
       </div>
       <div class="employee-field">
        <span>Name:</span> <xsl:value-of select="name"/>
```

```xml
        </div>
        <div class="employee-field">
          <span>Department:</span> <xsl:value-of select="department"/>
        </div>
        <div class="employee-field">
          <span>Designation:</span> <xsl:value-of select="designation"/>
        </div>
        <div class="employee-field">
          <span>Salary:</span> <xsl:value-of select="salary"/>
        </div>
        <div class="employee-field">
          <span>Email:</span> <xsl:value-of select="email"/>
        </div>
        <div class="employee-field">
          <span>Phone:</span> <xsl:value-of select="phone"/>
        </div>
        <div class="employee-field">
          <span>Joining:</span> <xsl:value-of select="joining"/>
        </div>
      </div>
    </xsl:for-each>
  </body>
 </html>
 </xsl:template>
</xsl:stylesheet>
```

--Output

Employee ID: E101

Swaraj Gondchawar
IT
Software Engineer
60000
swaraj@gmail.com
9876543210
2023-06-15

Employee ID: E102

Rahul Sharma
HR
HR Manager
55000
rahul@gmail.com
9123456780
2022-03-10

Employee ID: E103

Priya Deshmukh
Finance
Accountant
50000
priya@gmail.com
9012345678
2021-11-20

Employee ID: E104

Amit Kulkarni
Marketing
Marketing Executive
48000
amit@gmail.com
8899776655
2022-08-05

Employee ID: E105

Neha Patil
IT
Frontend Developer
62000
neha@gmail.com
9988776655
2024-01-12

Employee ID: E106

Rohit Verma
Operations
Operations Manager
70000
rohit@gmail.com
9090909090
2020-05-18