Practical – 4

Write AJAX script to display the student details like Enrollment number and Name (in tabular form) from XML file stored on the same web server. After displaying student details, when enrolment number is clicked then it fetches city, address, pincode and other details for the student.

CODE :

```html
<!DOCTYPE html>
<html lang="en">

<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Practical 4</title>
   <style>
      table {
         border-collapse: collapse;
         width: 60%;
      }
      th,
      td {
         border: 1px solid black;
         padding: 8px;
         text-align: center;
      }
      a {
         cursor: pointer;
         color: blue;
         text-decoration: underline;
      }
   </style>
</head>
<body>
   <h3>Q1. Write AJAX script to display the student details like
      Enrollment number and Name (in tabular form) from XML
      file stored on the same web server. After displaying
      student details, when enrolment number is clicked then it
      fetches city, address, pincode and other details for the
      student. </h3>
   <h2>Student List</h2>
   <table id="studentTable">
```

```
        <tr>
           <th>Enrollment No</th>
           <th>Name</th>
        </tr>
     </table>
     <h2>Student Full Details</h2>
     <div id="details"></div>
     <script>
        let xmlData;
        function loadStudents() {
           let xhr = new XMLHttpRequest();
           xhr.open("GET", "students.xml", true);
           xhr.send();
           xhr.onreadystatechange = function () {
              if (xhr.readyState === 4 && xhr.status === 200) {
                 xmlData = xhr.responseXML;
                 displayStudents();
              }
           };
        }
        function displayStudents() {
           let students = xmlData.getElementsByTagName("student");
           let table = document.getElementById("studentTable");
           for (let i = 0; i < students.length; i++) {
              let enroll = students[i].getElementsByTagName("enrollment")[0].textContent;
              let name = students[i].getElementsByTagName("name")[0].textContent;
              let row = table.insertRow();
              let cell1 = row.insertCell(0);
              let cell2 = row.insertCell(1);
              cell1.innerHTML = `<a onclick="showDetails(${i})">${enroll}</a>`;
              cell2.innerHTML = name;
           }
        }
        function showDetails(index) {
           let student = xmlData.getElementsByTagName("student")[index];
           let city = student.getElementsByTagName("city")[0].textContent;
           let address = student.getElementsByTagName("address")[0].textContent;
           let pincode = student.getElementsByTagName("pincode")[0].textContent;
           document.getElementById("details").innerHTML =
              `<p><b>City:</b> ${city}</p>
           <p><b>Address:</b> ${address}</p>
           <p><b>Pincode:</b> ${pincode}</p>`;
        }
```

```
        loadStudents();
    </script>
</body>
</html>
```

Students.xml :-

```xml
<?xml version="1.0" encoding="UTF-8"?>
<students>
    <student>
        <enrollment>12302080501005</enrollment>
        <name>Bhavya Patel</name>
        <city>Anand</city>
        <address>Spec clg</address>
        <pincode>388120</pincode>
    </student>

    <student>
        <enrollment>12302080501015</enrollment>
        <name>Harsh Patel</name>
        <city>Undel</city>
        <address>Khambhat</address>
        <pincode>388640</pincode>
    </student>
</students>
```

OUTPUT :

Q1. Write AJAX script to display the student details like Enrollment number and Name (in tabular form) from XML file stored on the same web server. After displaying student details, when enrolment number is clicked then it fetches city, address, pincode and other details for the student.

Student List

Enrollment No	Name
12302080501005	Bhavya Patel
12302080501015	Harsh Patel

Student Full Details

City: Anand

Address: Spec clg

Pincode: 388120