EXPT 8 – AJAX

CODE

bookInfo.html

```html
<p>Title: HTML Book</p>
<p>Author: John Doe</p>
<p>Price: $20</p>
```

bookInfo.json

```json
{
  "title": "JSON Book",
  "author": "Jake Smith",
  "price": "$30"
}
```

bookInfo.xml

```xml
<book>
  <title>XML Book</title>
  <author>Jane Doe</author>
  <price>$25</price>
</book>
```

index.html

```html
<html>
<head>
  <title>html, xml, json</title>
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
  <script>
    function loadHTML() {
      let xhttp = new XMLHttpRequest();
      xhttp.onreadystatechange = function () {
        if (this.readyState === 4 && this.status === 200) {
          $('.loading').hide('slow');
          $('#html-text').append(this.responseText);
        }
      }
      xhttp.open('GET', 'bookInfo.html', true);
      xhttp.send();
```

```javascript
    }
    function loadJSON() {
        let xhttp = new XMLHttpRequest();
        xhttp.onreadystatechange = function () {
            if (this.readyState === 4 && this.status === 200) {
                $('.loading').hide('slow');
                let data = JSON.parse(this.responseText);
                let jsonbody = '';
                jsonbody += '<p>Title: ' + data.title + '<br></p>';
                jsonbody += '<p>Author: ' + data.author + '<br></p>';
                jsonbody += '<p>Price: ' + data.price + '<br></p>';
                document.getElementById('json-text').innerHTML = jsonbody;
            }
        }
        xhttp.open('GET', 'bookInfo.json', true);
        xhttp.send();
    }
    function loadXML() {
        let xhttp = new XMLHttpRequest();
        xhttp.onreadystatechange = function () {
            if (this.readyState === 4 && this.status === 200) {
                $('.loading').hide('slow');
                let xmlbody = '';
                let data = this.responseXML;
                xmlbody += '<p>Title: ' + data.getElementsByTagName('title')[0].childNodes[0].nodeValue + '<br></p>';
                xmlbody += '<p>Author: ' + data.getElementsByTagName('author')[0].childNodes[0].nodeValue + '<br></p>';
                xmlbody += '<p>Price: ' + data.getElementsByTagName('price')[0].childNodes[0].nodeValue + '<br></p>';
                document.getElementById('xml-text').innerHTML = xmlbody;
            }
        }
        xhttp.open('GET', 'bookInfo.xml', true);
        xhttp.send();
    }

    $(document).ready(function () {
        loadHTML();
        loadJSON();
```

```
            loadXML();
        })
    </script>
</head>
<body>
    <h2 id="html">HTML Data: </h2>
    <p id="html-text"></p>
    <p class="loading">loading...</p><br>


    <h2 id="json">JSON Data: </h2>
    <p id="json-text"></p>
    <p class="loading">loading...</p><br>


    <h2 id="xml">XML Data: </h2>
    <p id="xml-text"></p>
    <p class="loading">loading...</p><br>
</body>
</html>
```

OUTPUT

HTML Data:

Title: HTML Book

Author: John Doe

Price: $20

JSON Data:

Title: JSON Book

Author: Jake Smith

Price: $30

XML Data:

Title: XML Book

Author: Jane Doe

Price: $25