**EXPT 8 – AJAX**

**CODE**

**bookInfo.html**

<p>Title: HTML Book</p>

<p>Author: John Doe</p>

<p>Price: $20</p>

**bookInfo.json**

{

"title": "JSON Book",

"author": "Jake Smith",

"price": "$30"

}

**bookInfo.xml**

<book>

<title>XML Book</title>

<author>Jane Doe</author>

<price>$25</price>

</book>

**index.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();

}

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**

