**10. Develop a JavaScript program with Ajax (with HTML/CSS) for:**

**a. Use ajax() method (without Jquery) to add the text content from the text file by**

**sending ajax request.**

**b. Use ajax() method (with Jquery) to add the text content from the text file by**

**sending ajax request.**

**c. Illustrate the use of getJSON() method in jQuery**

**d. Illustrate the use of parseJSON() method to display JSON values.**

<!DOCTYPE html>

<html lang="en">  
<head>  
  <meta charset="UTF-8">  
  <title>AJAX and JSON Examples</title>  
  <style>  
    body { font-family: Arial, sans-serif; margin: 20px; }  
    button { margin: 5px 0; padding: 8px 12px; }  
    .content, .jsonContent { margin-top: 10px; padding: 10px; border: 1px solid #ddd; }  
  </style>  
  <script src="[https://code.jquery.com/jquery-3.6.0.min.js](about:blank)"></script>  
</head>  
<body>  
  
  <h2>Ajax without jQuery</h2>  
  <button onclick="loadContent()">Load Text Content (No jQuery)</button>  
  <div id="content" class="content">Content from the file will load here.</div>  
  
  <h2>Ajax with jQuery</h2>  
  <button id="loadBtn">Load Text Content (jQuery)</button>  
  <div id="jqueryContent" class="content">Content from the file will load here.</div>  
  
  <h2>getJSON() Method</h2>  
  <button id="loadJsonBtn">Load JSON Data (jQuery)</button>  
  <div id="jsonContent" class="jsonContent">JSON data will load here.</div>  
  
  <h2>parseJSON() Method</h2>  
  <button id="parseJsonBtn">Parse JSON</button>  
  <div id="parseContent" class="jsonContent">Parsed JSON data will appear here.</div>  
  
  <script>  
     
    function loadContent() {  
      const xhr = new XMLHttpRequest();  
      xhr.open("GET", "sample.txt", true);  
      xhr.onload = function() {  
        if (xhr.status === 200) {  
          document.getElementById("content").innerText = xhr.responseText;  
        }  
      };  
      xhr.send();  
    }  
  
    // b) Using jQuery AJAX to load text content  
    $('#loadBtn').click(function() {  
      $.ajax({  
        url: 'sample.txt',  
        method: 'GET',  
        success: function(data) {  
          $('#jqueryContent').text(data);  
        }  
      });  
    });  
  
    // c) Using getJSON() method  
    $('#loadJsonBtn').click(function() {  
      $.getJSON('data.json', function(data) {  
        $('#jsonContent').html(  
          `<p>Name: ${[data.name](about:blank)}</p>  
           <p>Age: ${data.age}</p>  
           <p>Country: ${data.country}</p>`  
        );  
      });  
    });  
  
    // d) Using parseJSON() to parse JSON string and display data  
    $('#parseJsonBtn').click(function() {  
      const jsonString = '{"name": "Alice", "age": 25, "country": "USA"}';  
      const jsonObject = $.parseJSON(jsonString);  
      $('#parseContent').html(  
        `<p>Name: ${jsonObject.name}</p>  
         <p>Age: ${jsonObject.age}</p>  
         <p>Country: ${jsonObject.country}</p>`  
      );  
    });  
  </script>  
</body>  
</html>