

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"></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}</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>
```