

```

<!DOCTYPE html>

<html>

<head>

  <title>AJAX Lab Program</title>

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

  <style>

    body { font-family: Arial, sans-serif; background: #f4f4f4; margin: 0; padding: 20px; }

    .container { max-width: 700px; margin: auto; background: #fff; padding: 20px; border-radius: 7px;
    box-shadow: 0 6px 20px rgba(0,0,0,0.1);}

    button { display:inline-block; padding:8px 16px; border:none; background:#007bff; color:#fff;
    margin:6px 0; border-radius:5px; font-size:15px; cursor:pointer; }

    button:hover { background:#0056b3;}

    #output {background:#f1f1f1;margin-top:15px;padding:10px;border-radius:4px;min-height:40px;}

  </style>

</head>

<body>

  <div class="container">

    <h1>AJAX Lab Examples</h1>

    <button id="plain-ajax-btn">Load Text (Plain AJAX)</button>

    <button id="jquery-ajax-btn">Load Text (jQuery AJAX)</button>

    <button id="jquery-json-btn">Load JSON (getJSON)</button>

    <button id="parse-json-btn">Load and Parse JSON</button>

    <div id="output"></div>

  </div>

  <script>

    // a. Plain AJAX (Vanilla JS)

    document.getElementById('plain-ajax-btn').onclick = function() {

      var xhr = new XMLHttpRequest();

      xhr.open('GET', 'textfile.txt', true);

      xhr.onload = function() {

        if (xhr.status === 200) {

          document.getElementById('output').innerText = xhr.responseText;

        }

      }

    }

  </script>

```

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    } else {
        document.getElementById('output').innerText = 'Error loading file.';
    }
};

xhr.send();
};

```

// b. AJAX with jQuery

```

$('#jquery-ajax-btn').click(function() {
    $.ajax({
        url: 'textfile.txt',
        method: 'GET',
        success: function(data) {
            $('#output').text(data);
        },
        error: function() {
            $('#output').text('Error loading file. ');
        }
    });
});

```

// c. Use of getJSON in jQuery

```

$('#jquery-json-btn').click(function() {
    $.getJSON('data.json', function(data) {
        $('#output').html('<pre>' + JSON.stringify(data, null, 2) + '</pre>');
    }).fail(function() {
        $('#output').text('Error loading JSON file. ');
    });
});

```

// d. Use of parseJSON to display values (jQuery parseJSON is deprecated, use JS parse)

```
$('#parse-json-btn').click(function() {  
  $.ajax({  
    url: 'data.json',  
    method: 'GET',  
    success: function(data) {  
      let jsonData = (typeof data === 'string') ? JSON.parse(data) : data;  
      // Display specific values  
      let html = '<ul>';  
      Object.keys(jsonData).forEach(function(key) {  
        html += '<li>' + key + ': ' + JSON.stringify(jsonData[key]) + '</li>';  
      });  
      html += '</ul>';  
      $('#output').html(html);  
    },  
    error: function() {  
      $('#output').text('Error loading or parsing JSON file.');    }  
  });  
});  
</script>  
</body>  
</html>
```