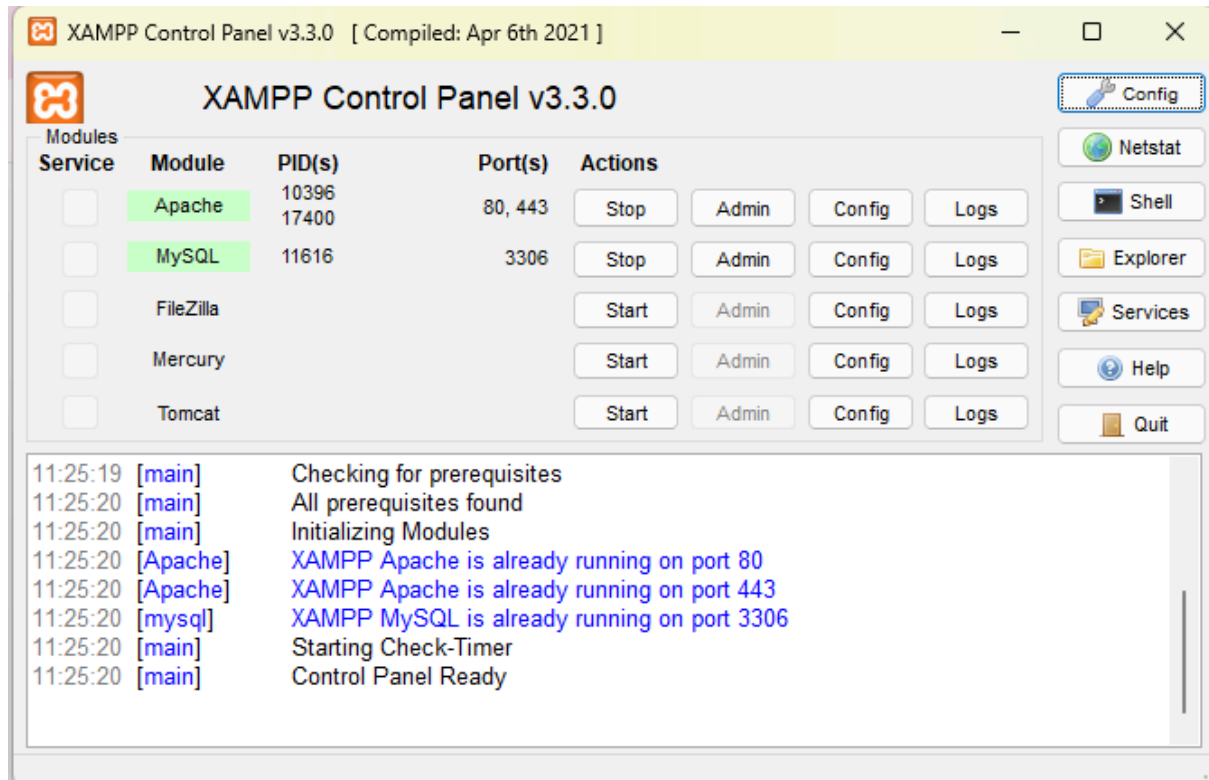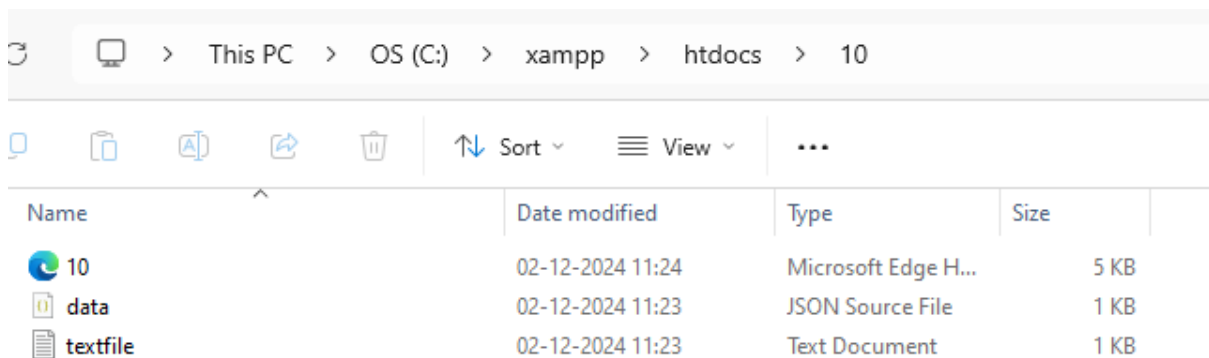# 10 program

Step to run file

Step 1 : Run xampp and Apache server:

Step 2 : Create folder in c://xampp > htdocs > 10 program

Step 3: Supporting Files:

textfile.txt

This is a sample text file loaded using AJAX.

data.json

```json
{
    "name": "John Doe",
    "age": 25,
    "skills": ["JavaScript", "HTML", "CSS"],
    "experience": [
        {
            "company": "TechCorp",
            "role": "Frontend Developer",
            "years": 3
        },
        {
            "company": "WebWorks",
            "role": "UI Designer",
            "years": 2
        }
    ]
}
```

10.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>AJAX Examples</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 0;
      background-color: #f9f9f9;
    }

    h1 {
      text-align: center;
      padding: 20px;
      color: #333;
    }
```

```css
        #content {
            max-width: 800px;
            margin: 20px auto;
            padding: 20px;
            border: 1px solid #ccc;
            border-radius: 8px;
            background-color: #fff;
        }

        button {
            padding: 10px 20px;
            margin: 10px;
            font-size: 16px;
            cursor: pointer;
            background-color: #007bff;
            color: white;
            border: none;
            border-radius: 5px;
        }

        button:hover {
            background-color: #0056b3;
        }

        #output {
            margin-top: 20px;
            padding: 15px;
            border: 1px solid #ccc;
            border-radius: 5px;
            background-color: #f4f4f4;
            white-space: pre-wrap;
            max-height: 300px;
            overflow-y: auto;
        }
    </style>
</head>
<body>
    <h1>AJAX Examples</h1>
    <div id="content">
        <button id="plain-ajax-btn">Plain AJAX (No jQuery)</button>
        <button id="jquery-ajax-btn">AJAX with jQuery</button>
        <button id="get-json-btn">getJSON Example</button>
        <button id="parse-json-btn">parseJSON Example</button>
        <div id="output">Click a button to see the results here.</div>
    </div>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
    <script>
        // Helper function to update the output display
```

```javascript
function showOutput(content) {
    const output = document.getElementById('output');
    output.textContent = content;
}

// a. Plain AJAX without jQuery
document.getElementById('plain-ajax-btn').addEventListener('click', function () {
    const xhr = new XMLHttpRequest();
    xhr.open('GET', 'textfile.txt', true);
    xhr.onload = function () {
        if (xhr.status === 200) {
            showOutput(xhr.responseText);
        } else {
            showOutput('Error loading file.');
        }
    };
    xhr.onerror = function () {
        showOutput('Request failed.');
    };
    xhr.send();
});

// b. AJAX using jQuery
$('#jquery-ajax-btn').on('click', function () {
    $.ajax({
        url: 'textfile.txt',
        method: 'GET',
        success: function (data) {
            showOutput(data);
        },
        error: function () {
            showOutput('Error loading file.');
        }
    });
});

// c. getJSON Example
$('#get-json-btn').on('click', function () {
    $.getJSON('data.json')
        .done(function (data) {
            showOutput(JSON.stringify(data, null, 2));
        })
        .fail(function () {
            showOutput('Error loading JSON file.');
        });
});

// d. parseJSON Example
```

```
$('#parse-json-btn').on('click', function () {
    $.get('data.json')
        .done(function (data) {
            try {
                const jsonData = typeof data === 'string' ? $.parseJSON(data) : data;
                showOutput(JSON.stringify(jsonData, null, 2));
            } catch (e) {
                showOutput('Error parsing JSON: ' + e.message);
            }
        })
        .fail(function () {
            showOutput('Error loading JSON file.');
        });
    });
</script>
</body>
</html>
```

Output: