**2.e Work with JSON data for dynamic rendering of content**

**Aim:**  
To load JSON data and dynamically render it on a webpage using JavaScript/jQuery.

**Tools Required:**

* Web browser (Chrome/Firefox)
* Text editor (VS Code/Notepad++)

**Procedure:**

1. Create a folder named **json\_render**.
2. Inside the folder, create:
   * index.html
   * data.json
   * render.js
3. Add a <ul> in index.html to display JSON data.
4. Create data.json with sample records.
5. In render.js, fetch the JSON file and render the data inside <ul>.
6. Run index.html in the browser.

**Source Code:**

index.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>JSON Rendering</title>

</head>

<body>

<h1>Articles</h1>

<ul id="articles"></ul>

<script src="render.js"></script>

</body>

</html>

data.json

{

"articles": [

{"id": 1, "title": "Intro to JavaScript", "summary": "Learn variables and functions"},

{"id": 2, "title": "AJAX Basics", "summary": "How to fetch data from a server"},

{"id": 3, "title": "jQuery UI", "summary": "Build interactive UI elements"}

]

}

render.js

fetch("data.json")

.then(res => res.json())

.then(data => {

const list = document.getElementById("articles");

list.innerHTML = data.articles.map(a =>

`<li><b>${a.title}</b>: ${a.summary}</li>`

).join("");

})

.catch(err => console.error("Error loading JSON:", err));

**Expected Output:**

* A list of article titles and summaries is dynamically generated from the JSON file.

**Result:**  
JSON data was successfully read and rendered dynamically, demonstrating how to work with structured data in JavaScript.