Topic: "How to insert a table from JavaScript into a div element called DivContainer created in HTML?"

By S. Bharath Reddy

1. Creating div element in HTML

```html
<!DOCTYPE html>
<html lang="en">
<head>
        <meta charset="UTF-8">
        <title>Insert Table into Div using JS</title>
</head>
<body>
        <div id="DivContainer"></div>
        <script src="script.js"></script>
</body>
</html>
```

2. Adding table using JavaScript

- Write the JavaScript code to create a table and insert it into the div DivContainer

- There are several ways to insert a table into a **div** element using JavaScript.

Method-1: Using innerHTML property

Method-2: Appending child Elements

Method-1: Using innerHTML

- You can use the **innerHTML** property to set the HTML content of the **div** directly.

```
// Create the table HTML as a string
const tableHTML =
`<table>
        <tr> <th>Header 1</th> <th>Header 2</th> </tr>

        <tr>
                <td>Row 1, Cell 1</td>
                <td>Row 1, Cell 2</td>
        </tr>
        <tr>
                <td>Row 2, Cell 1</td>
                <td>Row 2, Cell 2</td>
        </tr>
</table> `;

// Get the DivContainer element
const divContainer =document.getElementById('DivContainer');

// Set the innerHTML of the div to the table HTML
divContainer.innerHTML = tableHTML;
```

Method-2: Appending Child Elements

- You can create each element individually and append them to the table and then to the div.

```javascript
// Get the DivContainer element
const divContainer = document.getElementById('DivContainer');

// Create the table element
const table = document.createElement('table');

// add a border for the table visibility
table.border = '1';

// Create and append rows and cells
for (let i = 0; i < 3; i++)
{
        const row = document.createElement('tr');
        for (let j = 0; j < 3; j++)
        {
                // Use th for the first row (headers)
                const cell = document.createElement(i === 0 ? 'th' : 'td');
                cell.textContent = `Row ${i + 1}, Cell ${j + 1}`;
        row.appendChild(cell);
        }
        table.appendChild(row);
}

// Append the table to the DivContainer
divContainer.appendChild(table);
```

Thank You