**Q1: Can you create a simple HTML table to display a list of items with basic styling using CSS?**

****

<table>

<tr>

<th>Item 1</th>

<th>Item 2</th>

<th>Item 3</th>

</tr>

<tr>

<td>Item 1 detail</td>

<td>Item 2 detail</td>

<td>Item 3 detail</td>

</tr>

</table>

```

CSS:

```

table {

border-collapse: collapse;

width: 100%;

}

th, td {

border: 1px solid #ccc;

padding: 8px;

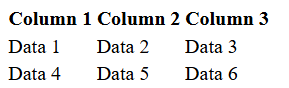
}

th {

background-color: #f2f2f2;

}

**Q2: Build a styled HTML table with CSS and add a JavaScript toggle button to show or hide the data.**

****

<table class="table">

<thead>

<tr>

<th>Column 1</th>

<th>Column 2</th>

<th>Column 3</th>

</tr>

</thead>

<tbody>

<tr>

<td>Data 1</td>

<td>Data 2</td>

<td>Data 3</td>

</tr>

<tr>

<td>Data 4</td>

<td>Data 5</td>

<td>Data 6</td>

</tr>

<!-- Add more rows as needed -->

</tbody>

</table>

```

CSS:

```

.table {

border-collapse: collapse;

width: 100%;

}

.table th, .table td {

border: 1px solid #ccc;

padding: 10px;

}

.table th {

background-color: #f1f1f1;

font-weight: bold;

}

.table tr:hover {

background-color: #ddd;

}

```

JavaScript (using jQuery):

```

$(document).ready(function() {

// Toggle button click event handler

$('.toggle').on('click', function() {

$(this).parent().find('.table-body').slideUp();

$(this).parent().find('.table-body').slideDown();

});

});

**Q3: Create a responsive HTML, CSS, and JavaScript component that only displays data when a user with permission clicks a 'Show Data' button. Include a message if the user is not authorized.**

****

<div class="data-container">

<button class="show-data-btn" title="Show Data">Show Data</button>

<!-- Only display data if user has permission -->

<div class="data">

<!-- Data will be displayed here -->

</div>

</div>

```

CSS:

```

.data-container {

display: flex;

justify-content: center;

align-items: center;

}

.show-data-btn {

background-color: #4CAF50;

color: white;

padding: 10px 20px;

border: none;

cursor: pointer;

}

.show-data-btn:hover {

background-color: #3e8e41;

}

.data {

display: none;

}

```

JavaScript (using jQuery for simplicity, but you can use vanilla JavaScript if preferred):

```

$(document).ready(function() {

// Check if user has permission to see data

var userHasPermission = false;

if ($('.user-permission').length > 0) {

userHasPermission = true;

}

// Display data only if user has permission

if (userHasPermission) {

$('.data-container').show();

} else {

$('.data-container').hide();

}

});