

Summary of JavaScript Targeting Elements by Tag Name within a Container

This document explains targeting a subset of elements by tag name within a specific HTML element using `getElementsByTagName`, extending Chapter 56:

1. **Targeting All Elements by Tag:** `document.getElementsByTagName("p")` creates a collection of all `<p>` elements, with properties like `innerHTML` accessed via `pars[1].innerHTML`.
2. **Targeting Elements within a Specific Element:** To target only `<p>` elements in a `div` with ID `rules`:
 - Get the container: `var e = document.getElementById("rules");`
 - Collect paragraphs: `e.getElementsByTagName("p").`
3. **Example with Table Cells:** To set the background color of all `<td>` elements in a table with ID `table9`:
 - Code: `var t = document.getElementById("table9"); var cells = t.getElementsByTagName("td"); for (var i = 0; i < cells.length; i++) { cells[i].style.backgroundColor = "pink"; }.`
 - Targets the table, collects `<td>` elements, and loops to set their background color.
4. **Process:**
 - Step 1: Get container with `document.getElementById`.
 - Step 2: Use `getElementsByTagName` for specific tags.
 - Step 3: Loop to modify properties (e.g., `style.backgroundColor`).
5. **Context:** Inline event handling is implied, with professional methods to be covered later.