

When you would select id selector, class selector and tag selector. Explain with example.

1. Id Selector (#)

Used to select a single element with a unique id attribute. The syntax is `#id-name`. For example, `#para1` targets the HTML element with `id="para1"`. Id selectors are useful when you need to apply a specific style to a single element on the page.

Example: `#header { background-color: #333; }` targets the HTML element with `id="header"` and sets its background color to a dark gray.

2. Class Selector (.)

Used to select elements with a specific class attribute. The syntax is `.class-name`. For example, `.highlight` targets all HTML elements with `class="highlight"`. Class selectors are useful when you need to apply a style to multiple elements that share a common characteristic.

Example: `.important { font-weight: bold; }` targets all HTML elements with `class="important"` and sets their font weight to bold.

3. Tag Selector (Element Name)

Used to select elements based on their HTML tag name. For example, `p` targets all `<p>` elements on the page. Tag selectors are useful when you want to apply a style to all elements of a specific type.

Example: `p { text-align: center; }` targets all `<p>` elements on the page and centers their text alignment.