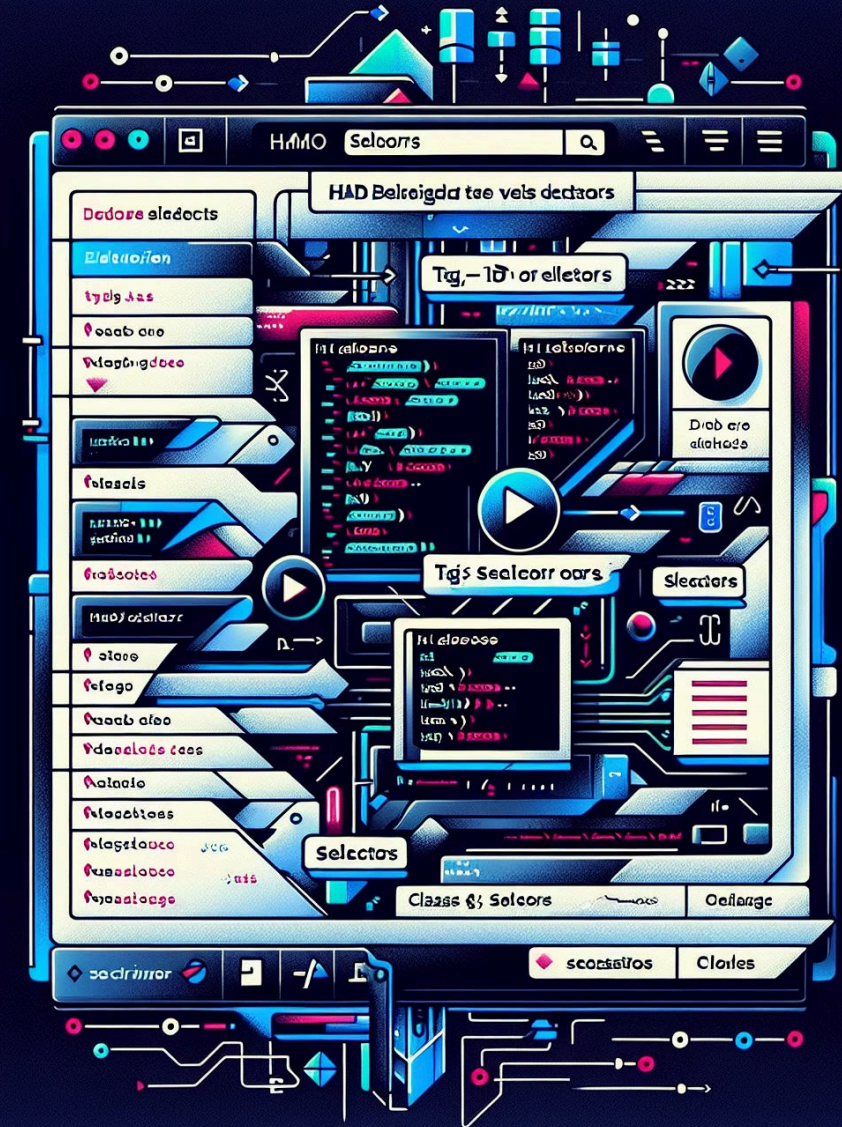# Introduction to HTML Selectors

HTML selectors are the building blocks that allow you to target and style specific elements on a web page. These include tag, class, and ID selectors, as well as ways to combine them for more precise control over your design.

IV by IT Vedant

# Tag Selectors

**1** **Simple Targeting**

Tag selectors allow you to target all instances of a specific HTML element, such as all paragraphs or headings on a page.

**2** **Broad Application**

They provide a quick way to apply styles to an entire category of elements without having to select them individually.

**3** **Element Hierarchy**

Tag selectors can also be combined to target elements within the structure of the HTML document.

# Class Selectors

### Specific Targeting

Class selectors allow you to target elements based on the class attribute applied to them in the HTML.

### Reusable Styles

Classes enable you to create modular, reusable styles that can be applied to multiple elements across your website.

### Semantic Meaning

Well-named classes can also help convey the meaning and purpose of an element on the page.

# ID Selectors



## Unique Targeting

ID selectors target a single, unique element on the page, identified by its distinctive ID attribute.
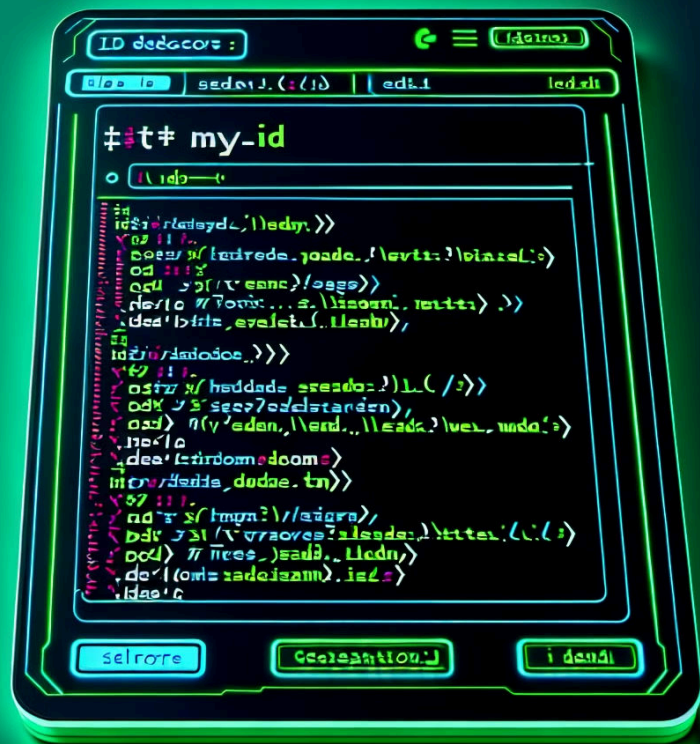
## Specific Styles

IDs are useful for applying highly specific styles to a unique element, such as a hero section or a modal window.

## Accessibility

IDs are also used to create accessible, semantic links and jumplinks within a webpage.

## Specificity

ID selectors have the highest specificity in CSS, making them useful for overriding other styles.

# Combining Selectors

### Specificity

**1**

Combining selectors increases the specificity of your CSS, allowing you to target elements more precisely.

### Contextual Styles

**2**

You can apply different styles to the same element based on its location or relationship within the HTML structure.

### Efficiency

**3**

Combining selectors can help you write more concise and efficient CSS code, reducing duplication and maintaining clarity.