css selectors

CSS Selectors

CSS (Cascading Style Sheets) is a style sheet language used for describing the presentation of a document written in HTML or XML. CSS selectors are patterns used to select and style elements in an HTML or XML document.

Types of CSS Selectors

There are several types of CSS selectors, including:

Element Selector

The element selector selects HTML elements based on their tag name. For example, to select all paragraphs in an HTML document, use the following CSS code:

```
p {
  color: blue;
}
```

ID Selector

The ID selector selects an element based on its unique ID attribute. For example, to select an element with the ID "my-element", use the following CSS code:

```
#my-element {
  background-color: yellow;
}
```

Class Selector

The class selector selects elements based on their class attribute. For example, to select all elements with the class "my-class", use the following CSS code:

```
.my-class {
  font-size: 18px;
}
```

Attribute Selector

The attribute selector selects elements based on their attribute values. For example, to select all elements with the "href" attribute, use the following CSS code:

```css
[href] {
  text-decoration: underline;
}
```

Pseudo-Class Selector

The pseudo-class selector selects elements based on their state or position in the document. For example, to select the first paragraph in an HTML document, use the following CSS code:

```css
p:first-child {
  font-weight: bold;
}
```

Conclusion

CSS selectors are powerful tools for selecting and styling elements in an HTML or XML document. By understanding the different types of selectors, you can create beautiful and functional web pages.