

PSEUDO-CLASS

Pseudo-classes are special keywords that are used to select and style elements based on their state or position within the document. They allow you to apply styles to elements that are not selected solely based on their name, attributes, or hierarchy.

Common Pseudo-classes:

1. `:hover`: Styles an element when the user hovers over it.
2. `:active`: Styles an element when it is being activated (clicked on).
3. `:focus`: Styles an element when it receives focus.
4. `:nth-child(n)`: Selects the nth child of its parent.
5. `:first-child`: Selects the first child element of its parent.
6. `:last-child`: Selects the last child element of its parent.

7. `:not(selector)`: Selects elements that do not match the given selector.

Syntax:

```
``css
selector:pseudo-class {
    /* styles */
}
```

Now, let's see some code examples:

```
``css
/* Example 1: :hover */
a:hover {
    color: #ff0000; /* Change text color when hovering over a link */
}
```

```
/* Example 2: :nth-child */
li:nth-child(odd) {
```

```
        background-color: #f0f0f0; /* Style odd list items */
    }

/* Example 3: :not */
input:not([type="submit"]) {
    border: 1px solid #ccc; /* Style all input fields except submit
    buttons */
}
...
```