CSS Selectors

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We can select by:

- Tag name
- Class name
- ID name
- Chaining selectors
- Nested selectors
- Multiple selectors

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We can select by:

- Tag name
- Class name
- ID name
- **Chaining selectors**
- **Nested elements**
- **Multiple selectors**

Selector	Example	Example description
.class	.intro	Selects all elements with class="intro"
#id	#firstname	Selects the element with id="firstname"
*	*	Selects all elements
element	p	Selects all <p> elements
element.class	p.intro	Selects all <p> elements that have class="intro"
element,element	div, p	Selects all <div> elements and all <p> elements
element element	div p	Selects all <p> elements inside <div> elements

```html
<p class="lead" id="intro">This is a paragraph</p>
```

```css
/* Select by tag name */
p { color: red; }

/* Select by class name */
.lead { color: red; }

/* Select by id name */
#intro { color: red; }
```

Chaining selectors

When writing CSS rules, it's possible to require an HTML element to have two or more CSS selectors at the same time.

This is done by combining multiple selectors, which we will refer to as chaining.

Chaining selectors

```
<p class="lead" id="intro">This is a paragraph</p>
```

```
/* chaining selectors */
p.lead { color: red; }
p#intro { color: red; }
```

Nested elements

In addition to chaining selectors to select elements, CSS also supports selecting elements that are nested within other HTML elements.

Nested elements

```html
<div class="container">
    <p>Hello</p>
</div>

<div>
    <p>Hi</p>
</div>

<p>What's up</p>
```

```css
div p { color: red; }
.container p { color: red; }
```

Multiple selectors

Suppose we have this:

```
<h1>Hello</h1>
<h2>Hi</h2>
<h3>How's it going</h3>
<p>I am a paragraph</p>
```

We want body text to be **Arial**

We want headings to be **Georgia**

Multiple selectors

Suppose we have this:

```
<h1>Hello</h1>
<h2>Hi</h2>
<h3>How's it going</h3>
<p>I am a paragraph</p>
```

We want body text to be **Arial**

We want headings to be **Georgia**

First we set the body font:

```
body { font-family: 'Arial'; }
```

Multiple selectors

Suppose we have this:

```
<h1>Hello</h1>
<h2>Hi</h2>
<h3>How's it going</h3>
<p>I am a paragraph</p>
```

We want body text to be **Arial**

We want headings to be **Georgia**

First we set the body font:

```
body { font-family: 'Arial'; }
```

Don't do this:

```
h1 { font-family: 'Georgia'; }
h2 { font-family: 'Georgia'; }
h3 { font-family: 'Georgia'; }
```

Multiple selectors

Suppose we have this:

```
<h1>Hello</h1>
<h2>Hi</h2>
<h3>How's it going</h3>
<p>I am a paragraph</p>
```

We want body text to be **Arial**

We want headings to be **Georgia**

First we set the body font:

```
body { font-family: 'Arial'; }
```

Do this:

```
h1, h2, h3 { font-family: 'Georgia'; }
```

Quick review…

- **Chaining selectors**

```css
p.lead { color: red; }
p#intro { color: red; }
```

- **Nested elements**

```css
div p { color: red; }
.container p { color: red; }
```

- **Multiple selectors**

```css
h1, h2, h3 { font-family: 'Georgia'; }
```