

CSS

CSS FUNDAMENTALS

Specificity



IN A ROCKET

Learn front-end development at *rocket speed*

CASCADE

+

SPECIFICITY

CASCADE

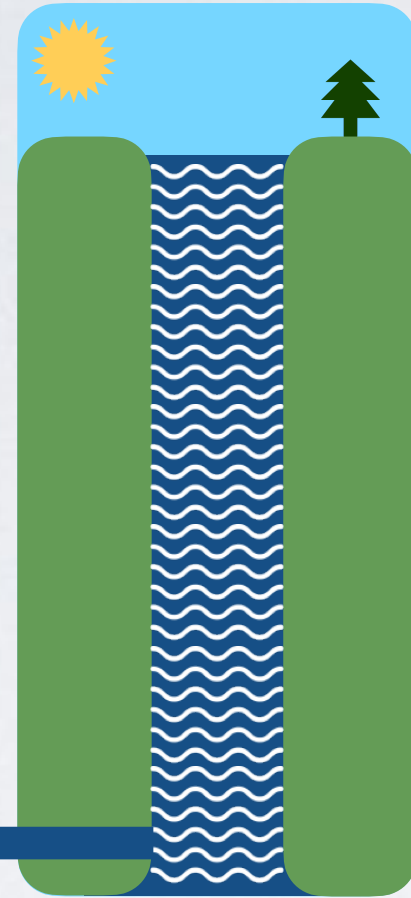
HTML

```
h1 { color: blue; }
```

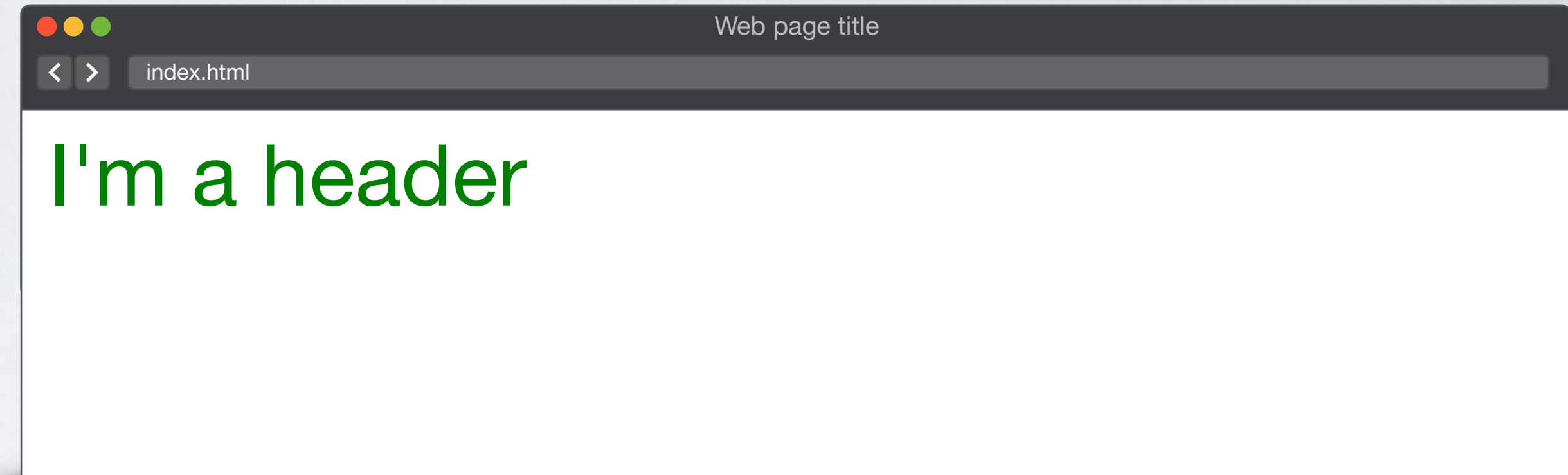
```
p { color: red; }
```

```
input { color: pink; }
```

```
h1 { color: green; }
```



CSS

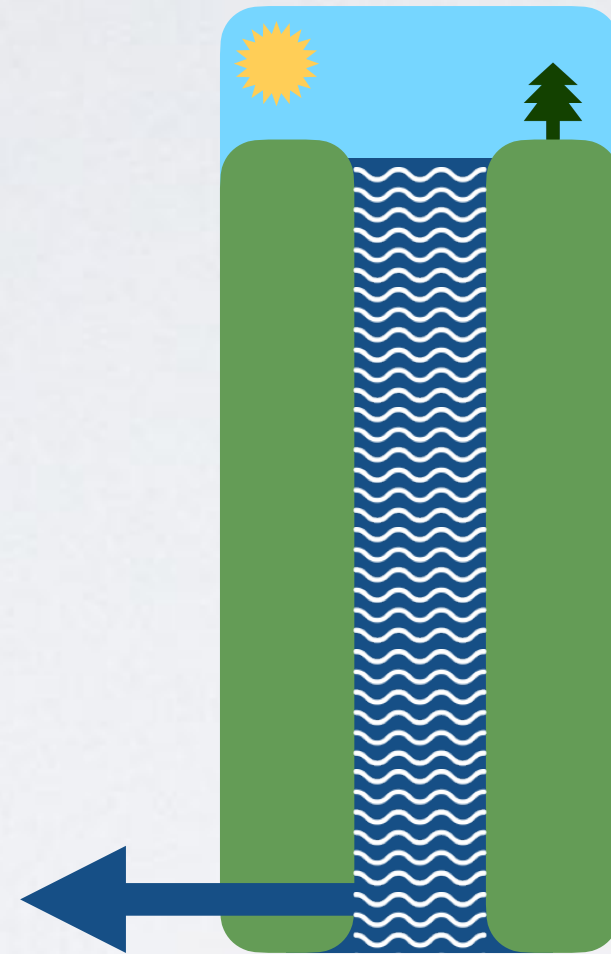


HTML

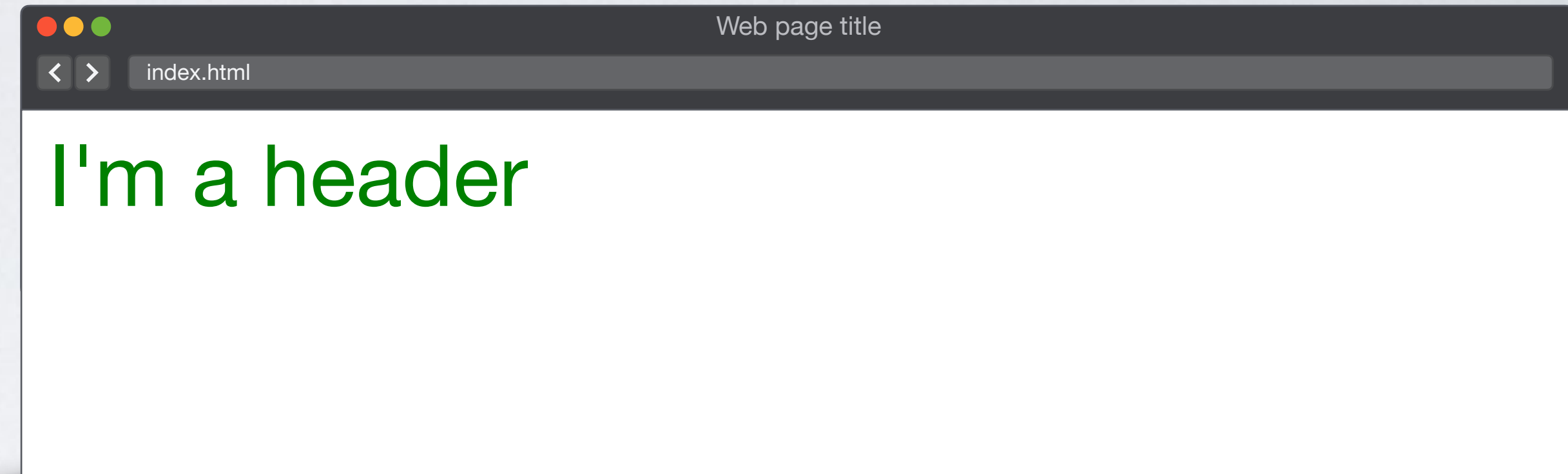
```
<html>
<head>
<link rel="stylesheet" href="styles.css">
<style>
h1 { color: blue; }
</style>
</head>

<body>
<h1 style="color: green">I'm a header</h1>
</body>
</html>
```

h1 { color: red; }



CSS



CASCADE

+

SPECIFICITY

HTML

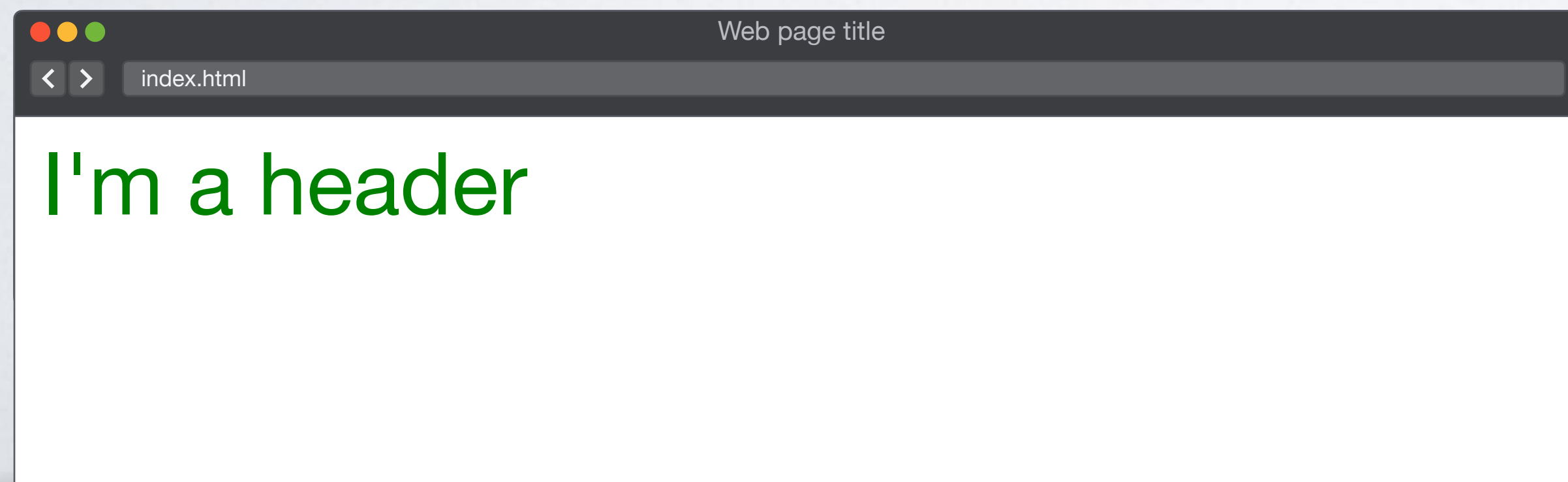
```
<body>
<header>
  <h1>I'm a header</h1>
</header>
</body>
```

CSS

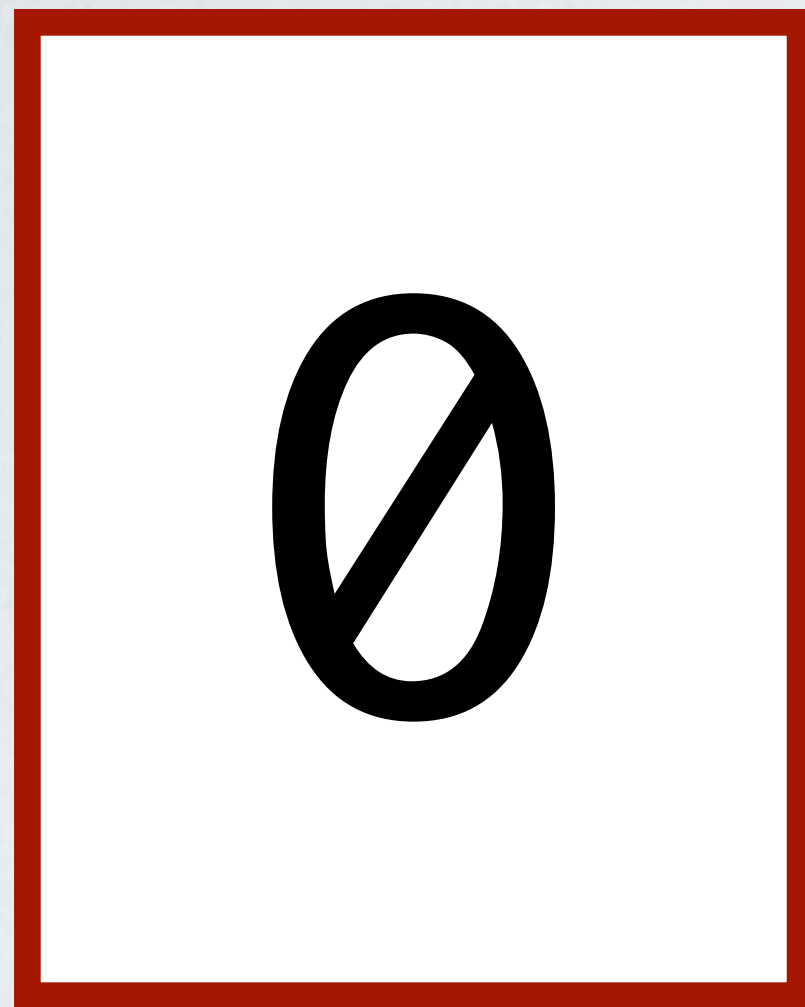
```
header h1 { color: green; }
h1 { color: blue; }
```

The h1 selector position is better for cascade, but header h1 prevails because is more specific.

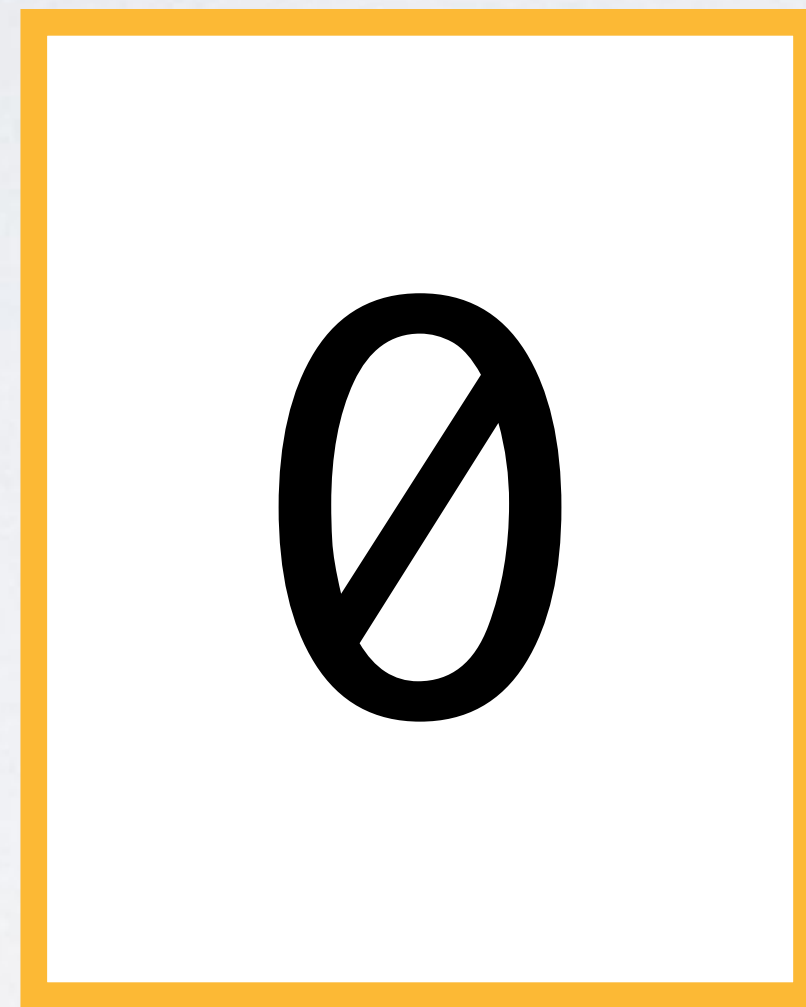
Browser



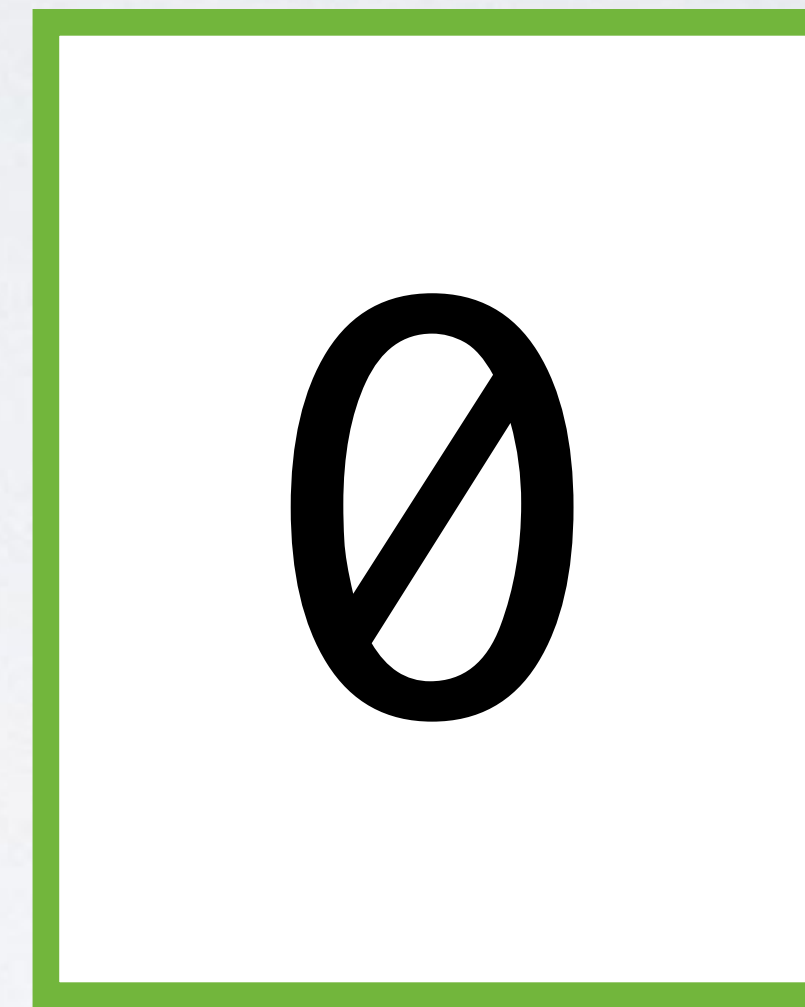
selector



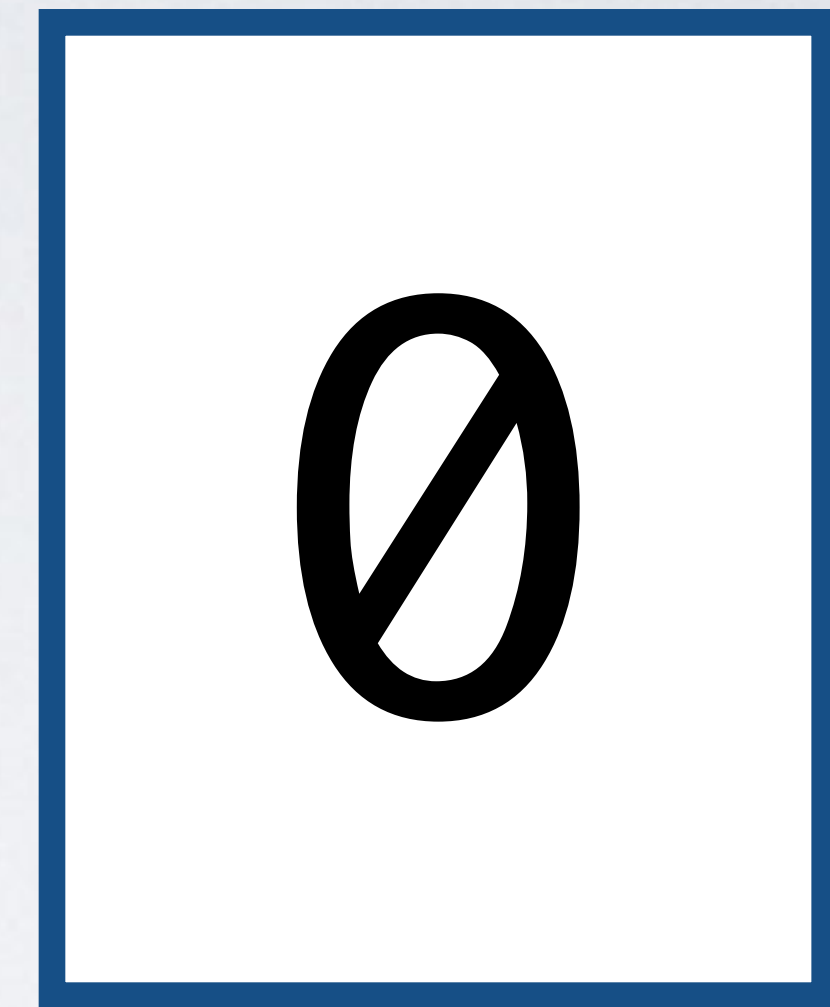
Inline
(style attribute)



ID

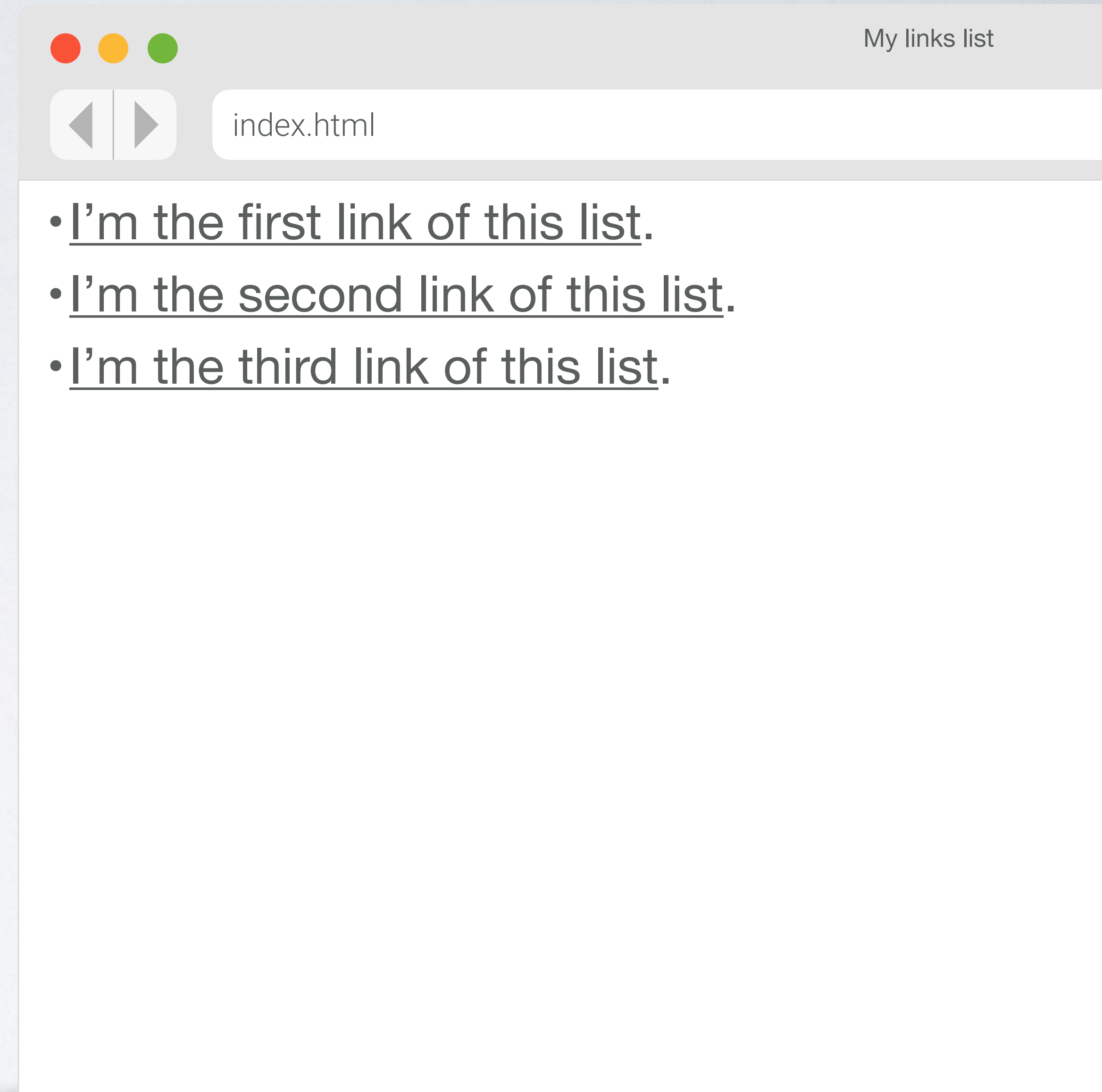


Class
Pseudo-class
Attribute

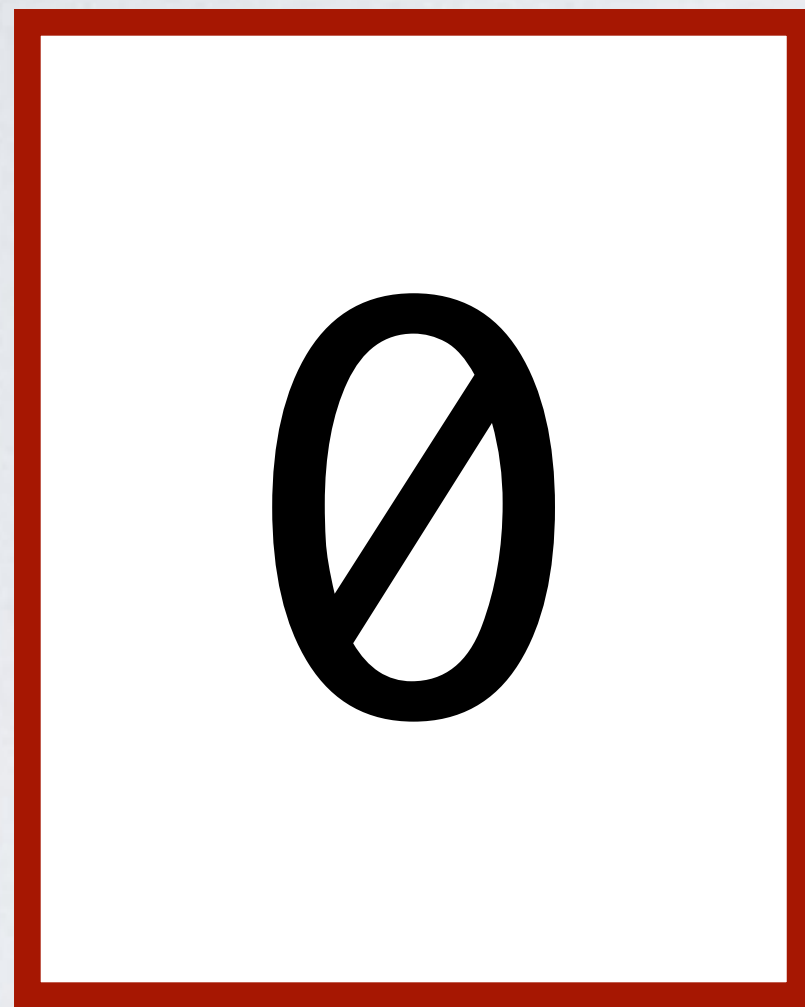


Element

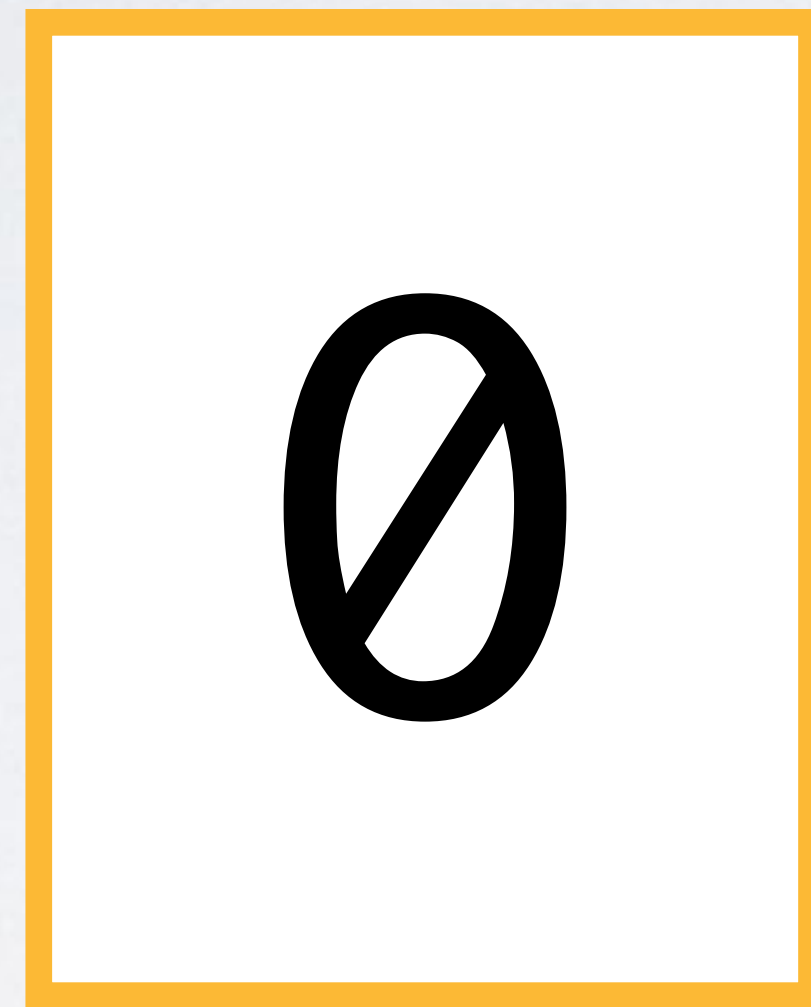
```
ul li a
```



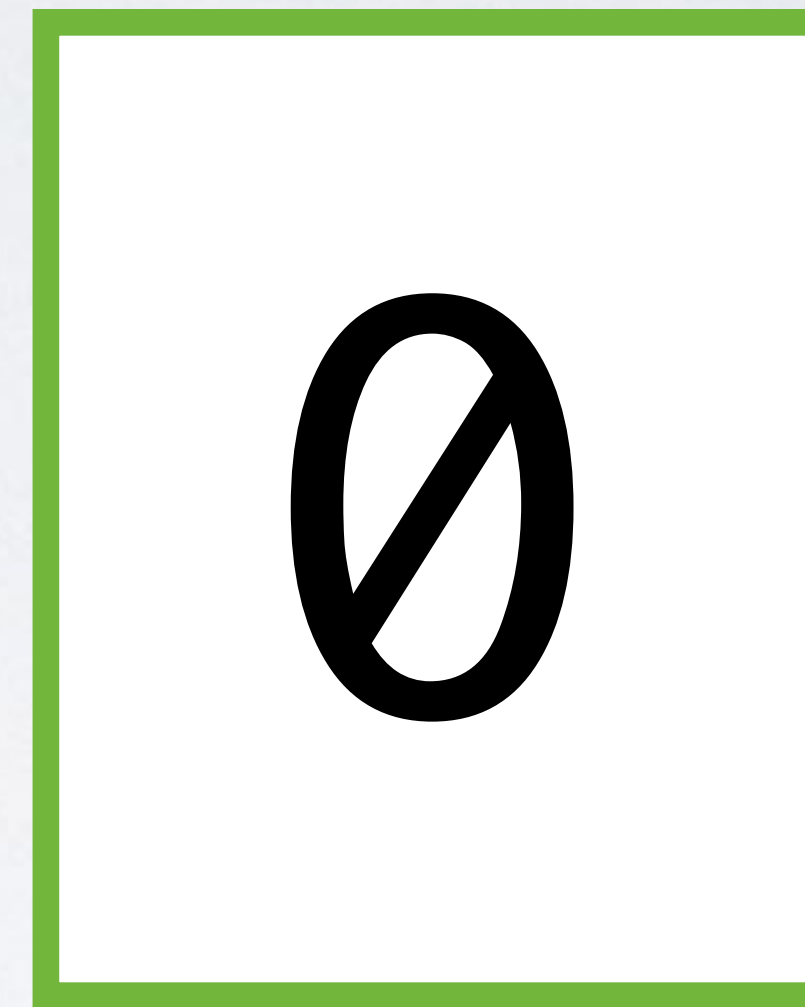
ul li a



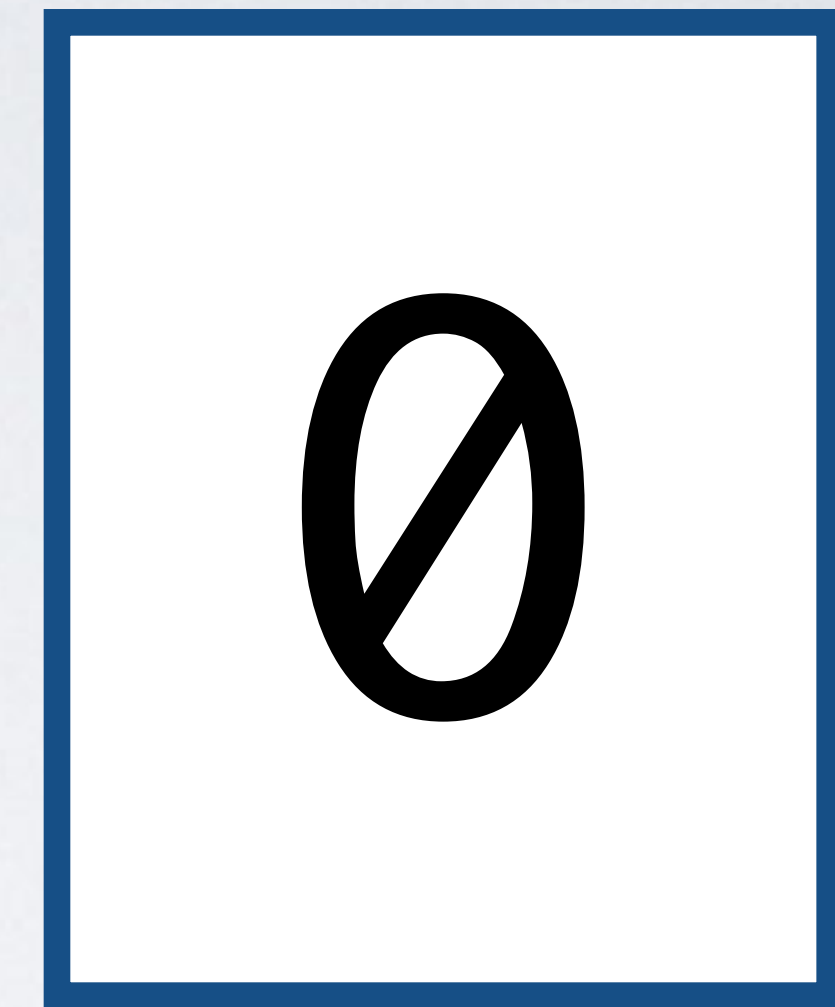
Inline
(style attribute)



ID

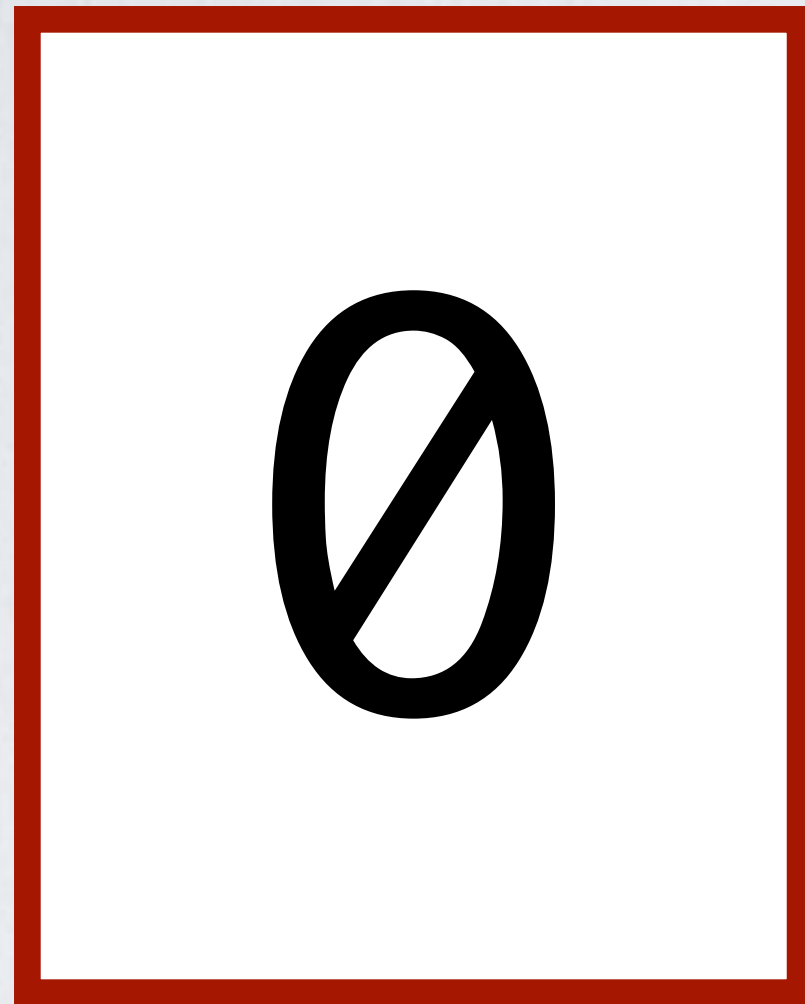


Class
Pseudo-class
Attribute

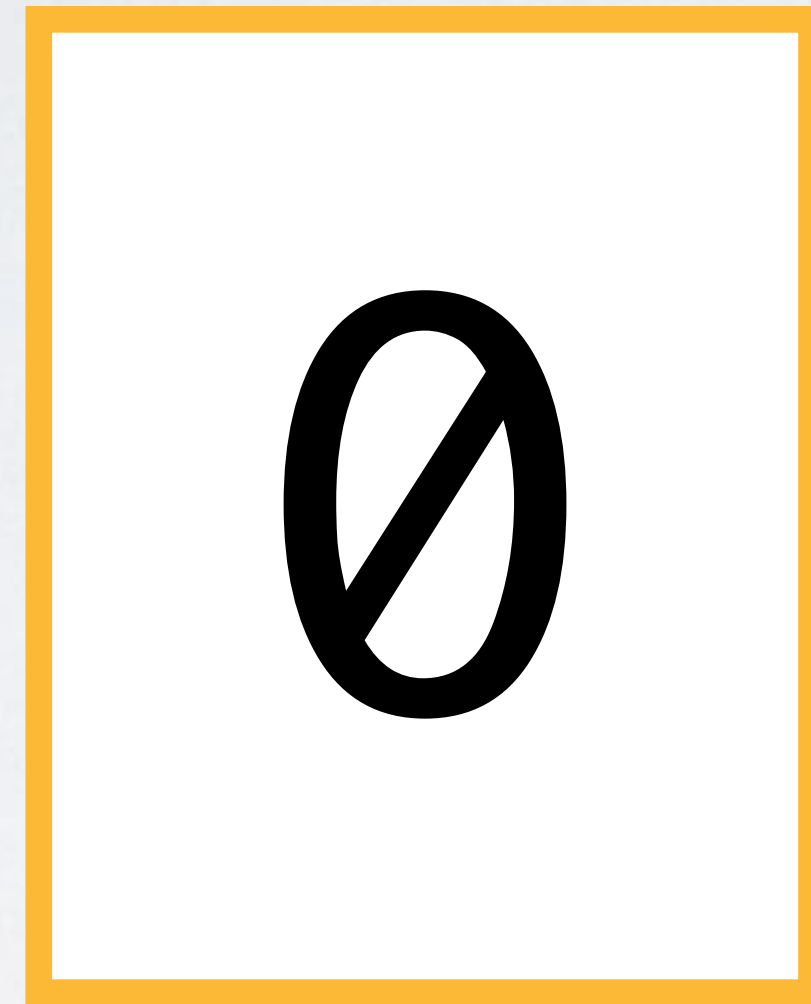


Element

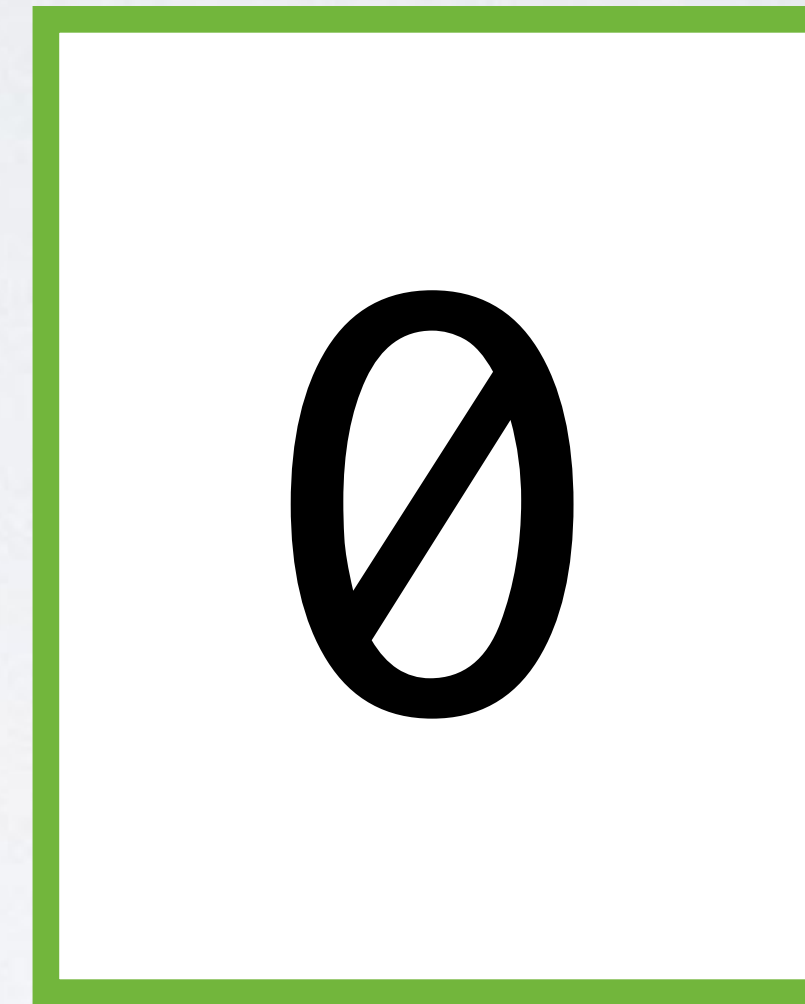
ul li a



Inline
(style attribute)



ID



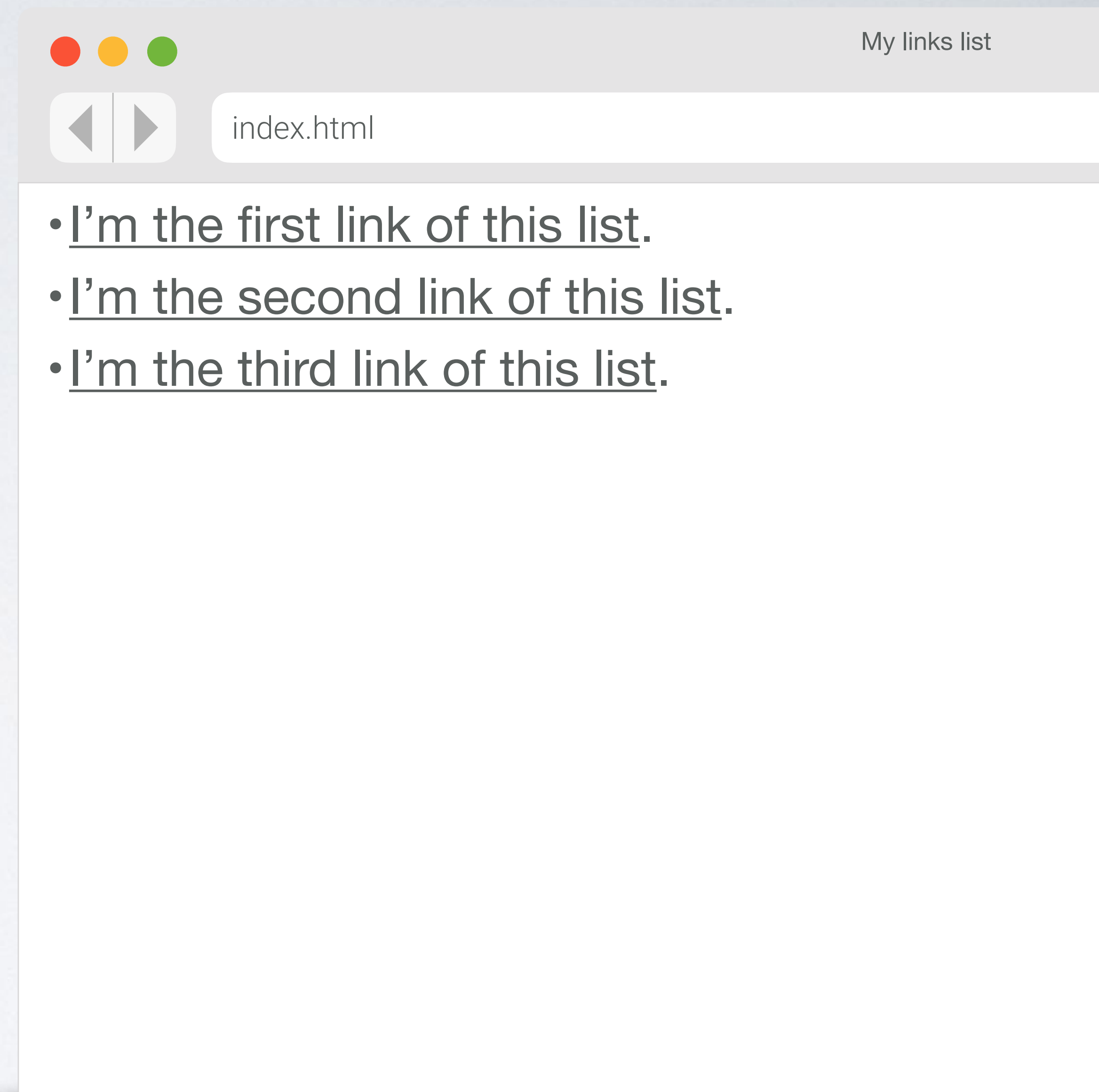
Class
Pseudo-class
Attribute



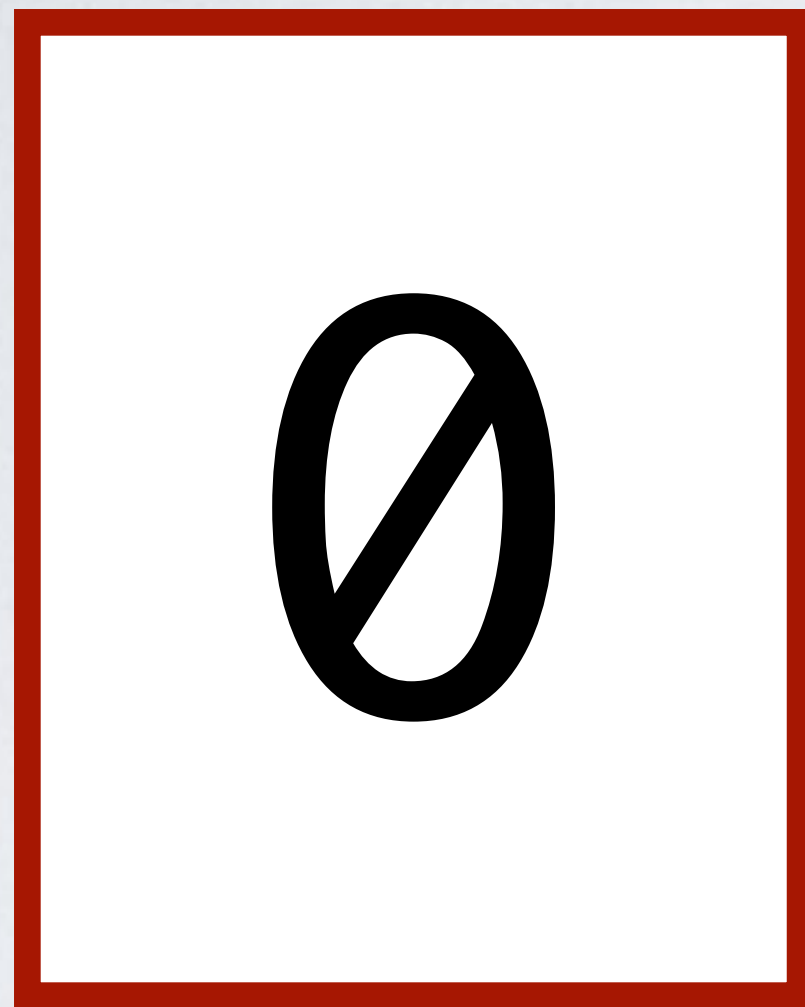
Element

```
.lk-list
```

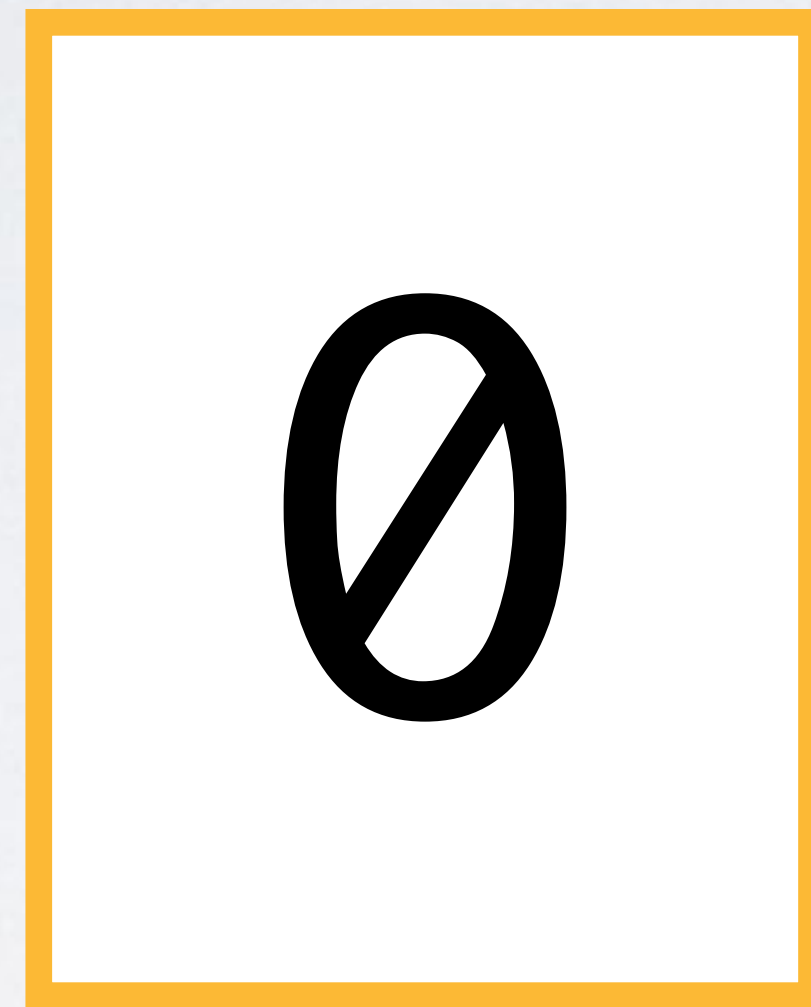
```
ul li a
```



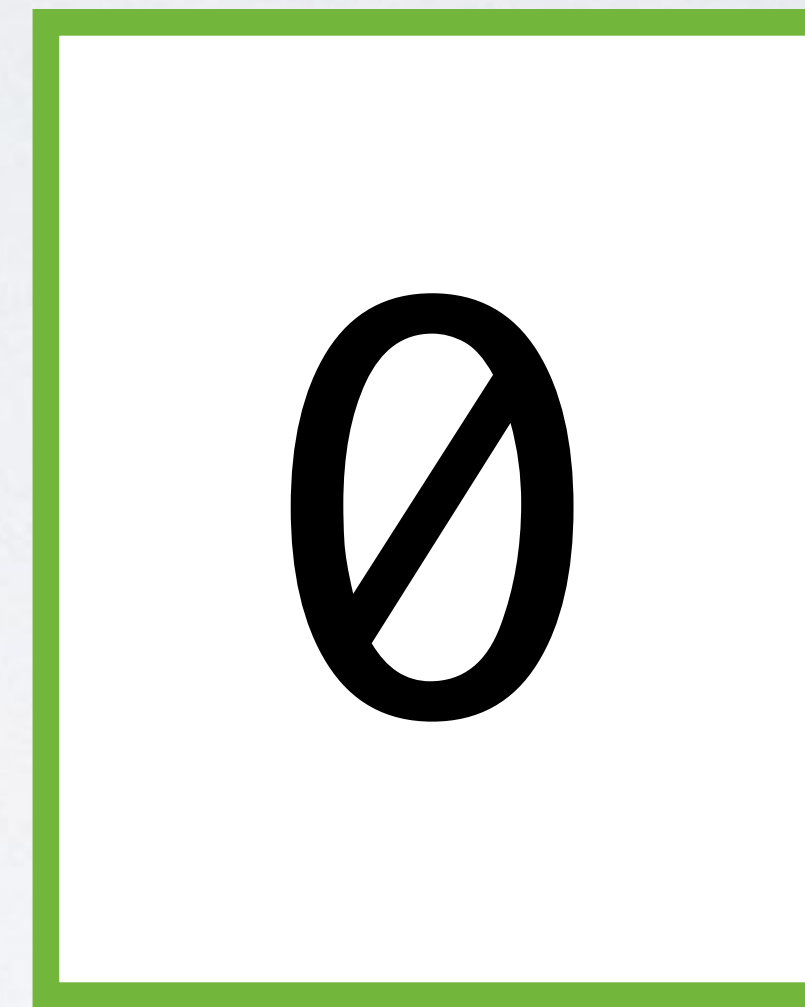
`.lk-list`



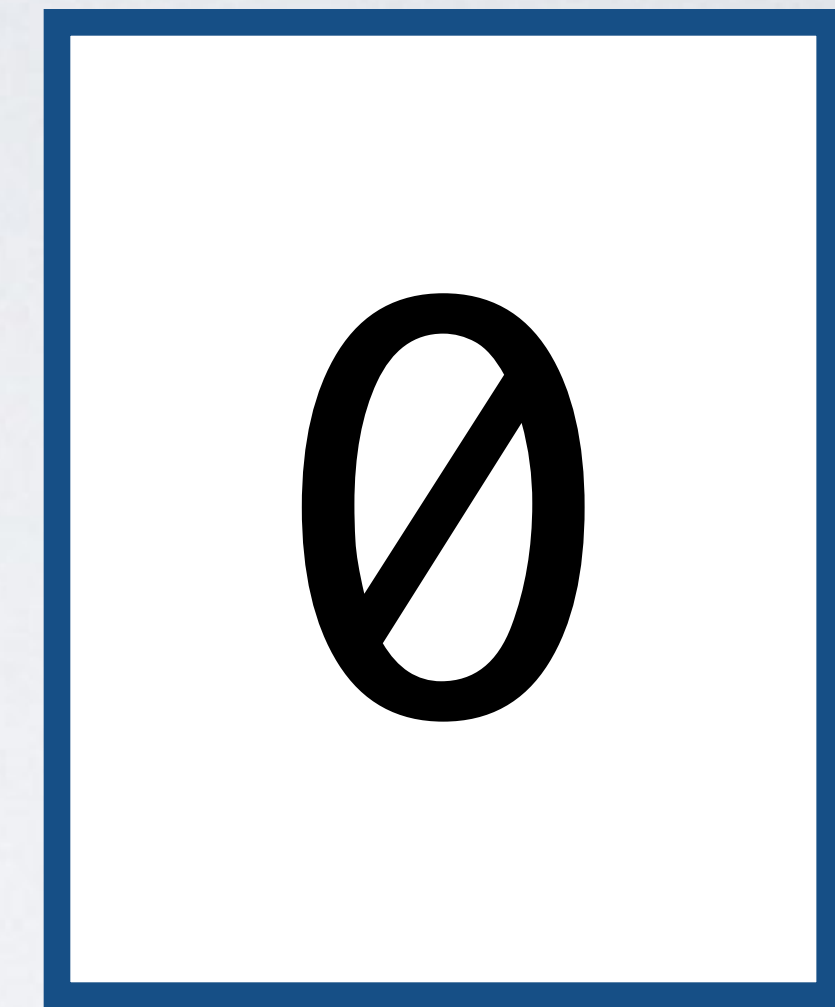
Inline
(style attribute)



ID

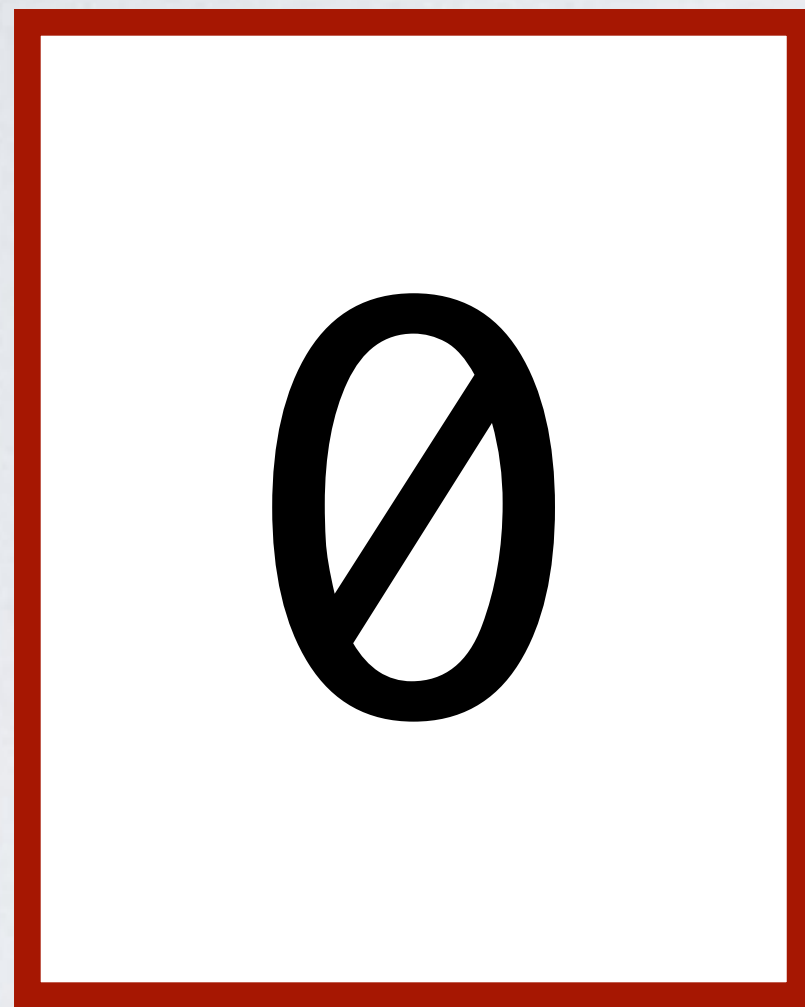


Class
Pseudo-class
Attribute

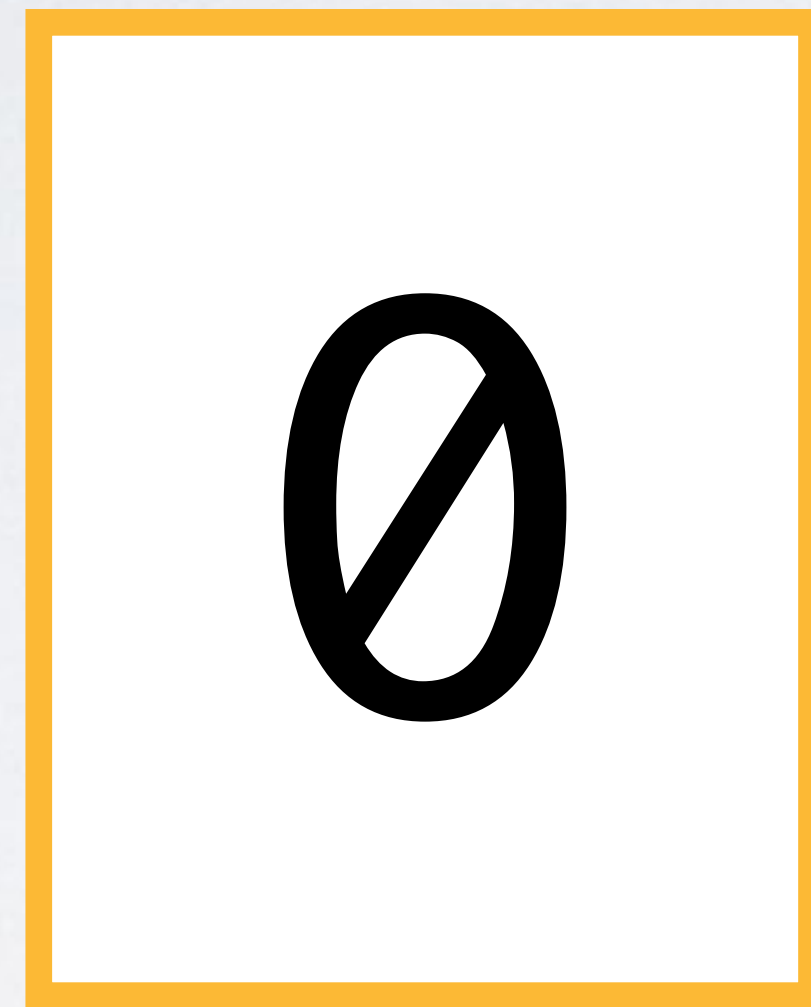


Element

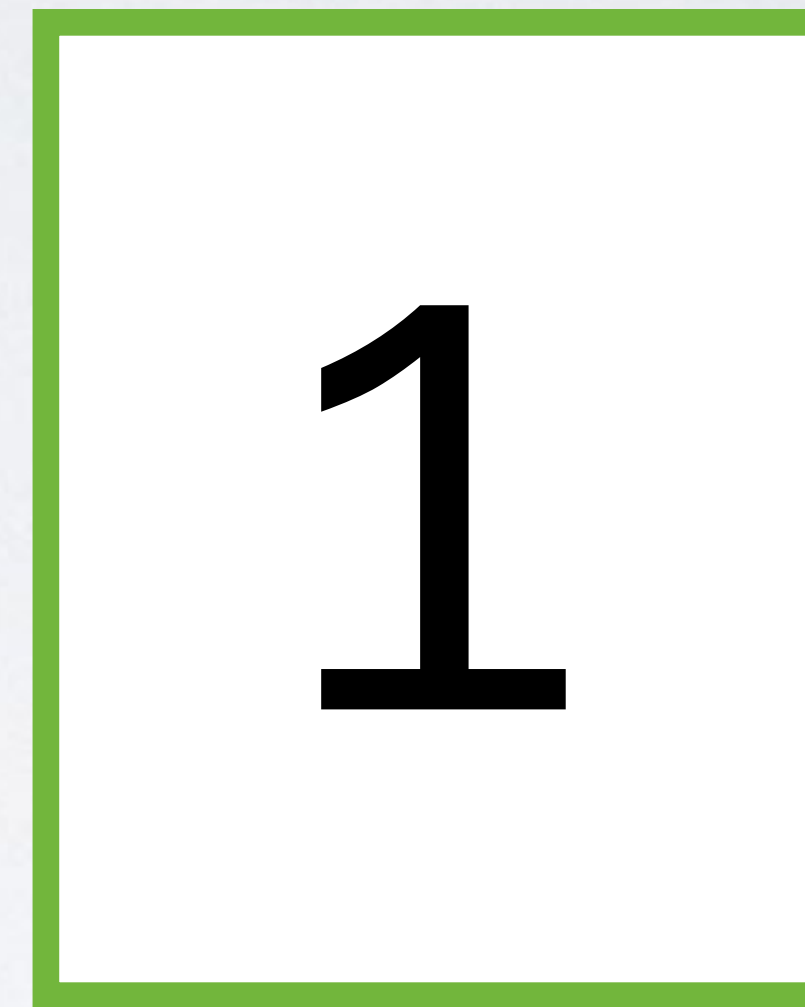
.lk-list



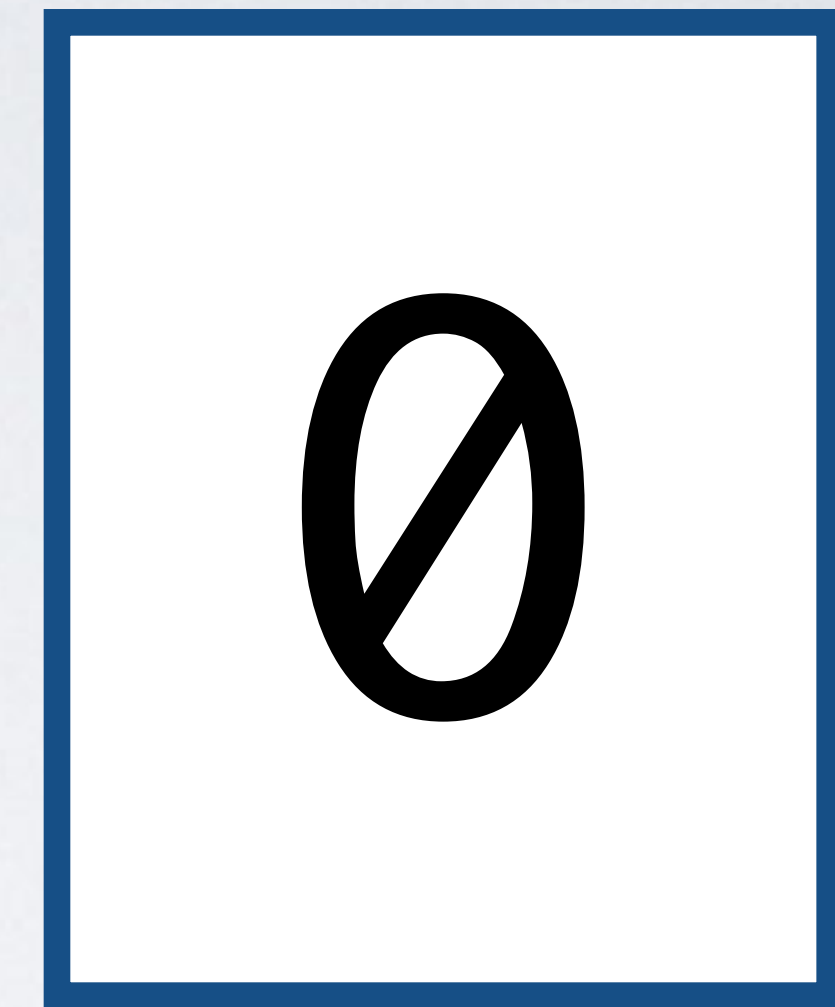
Inline
(style attribute)



ID



Class
Pseudo-class
Attribute



Element

```
#lk-list
```

```
.lk-list
```

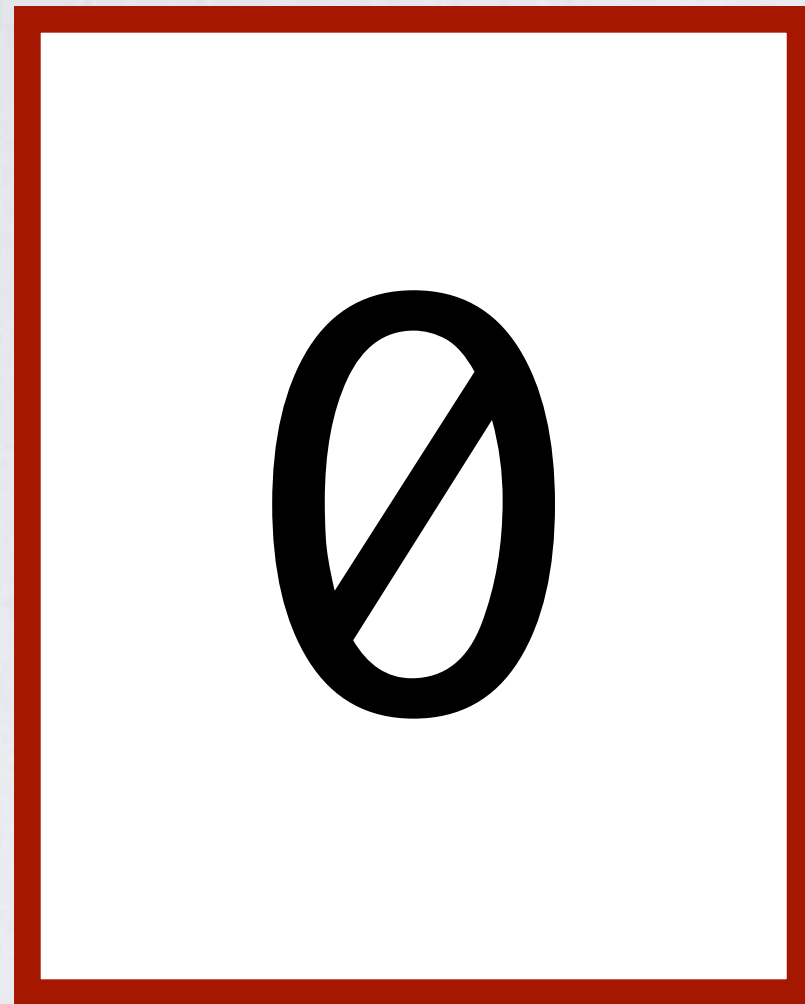
```
ul li a
```



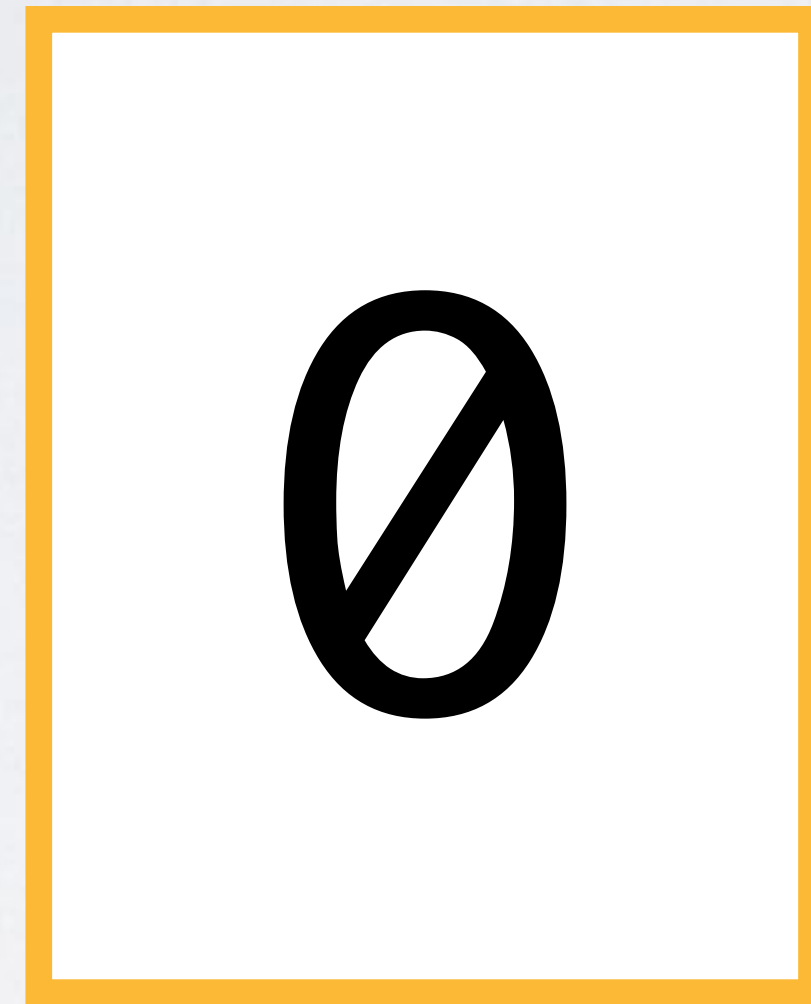
index.html

- I'm the first link of this list.
- I'm the second link of this list.
- I'm the third link of this list.

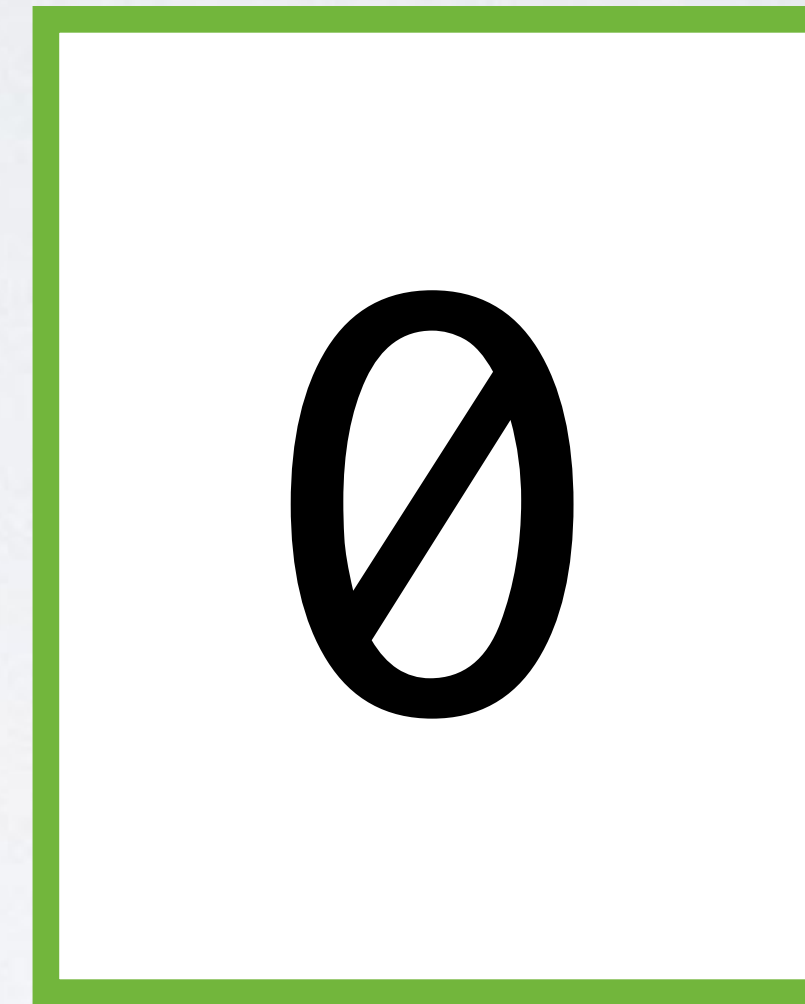
#lk-list



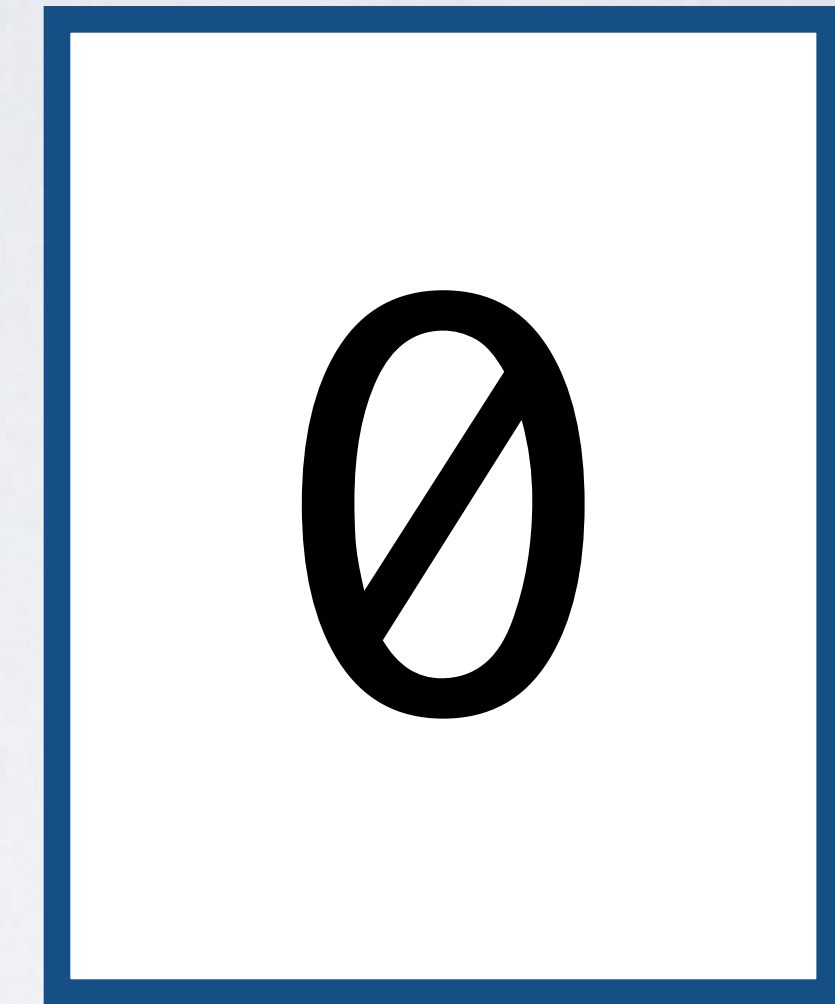
Inline
(style attribute)



ID

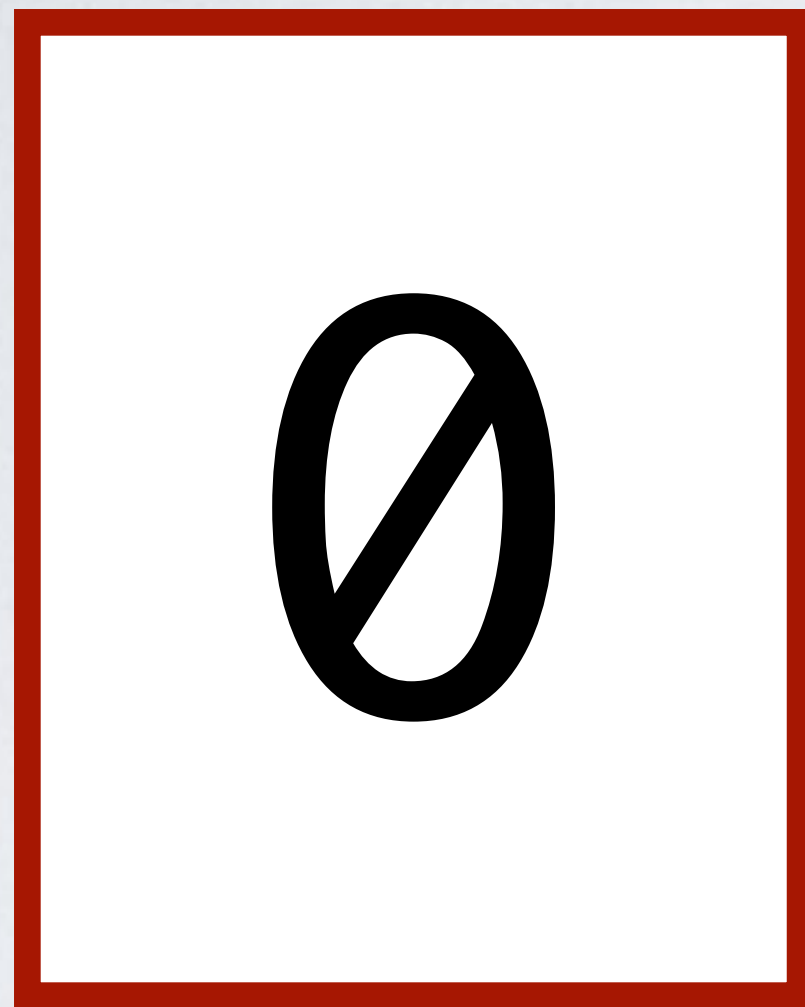


Class
Pseudo-class
Attribute



Element

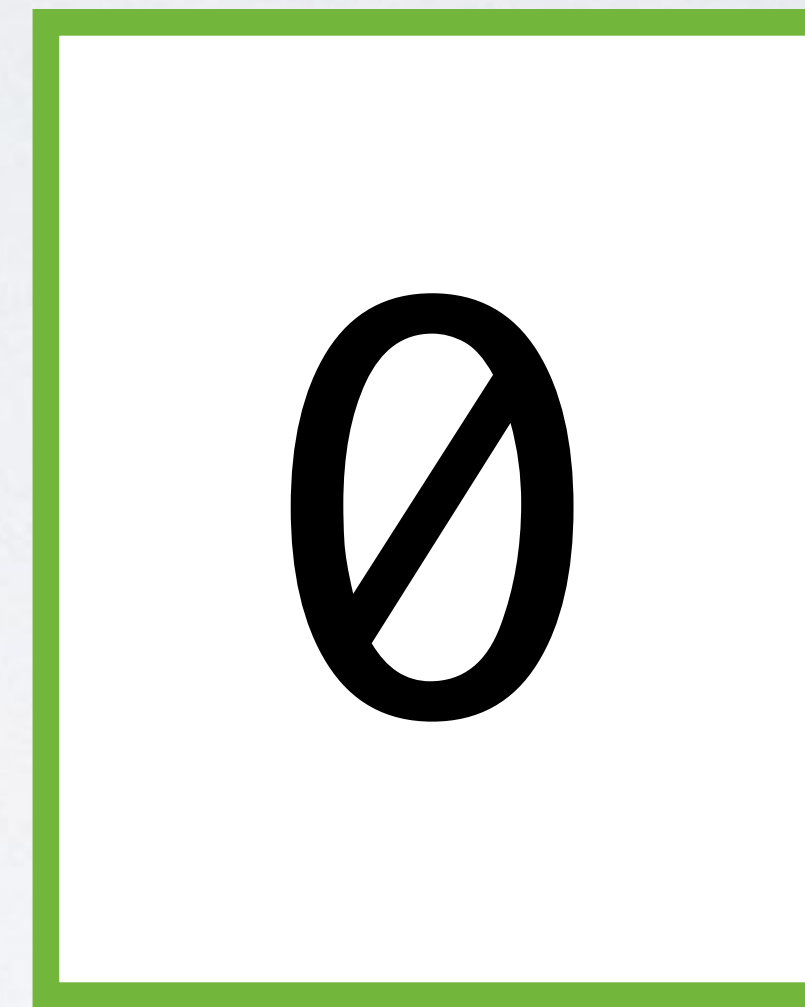
#lk-list



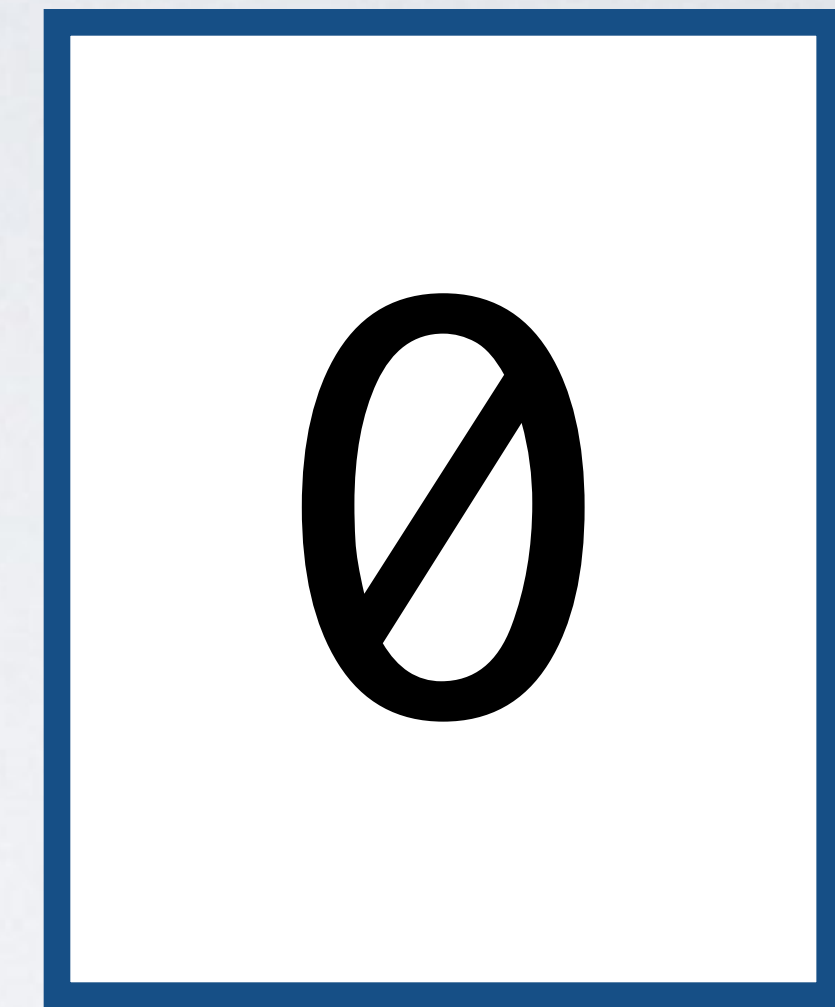
Inline
(style attribute)



ID



Class
Pseudo-class
Attribute



Element

CAUTION

```
<a style="" ...
```

```
#lk-list { }
```

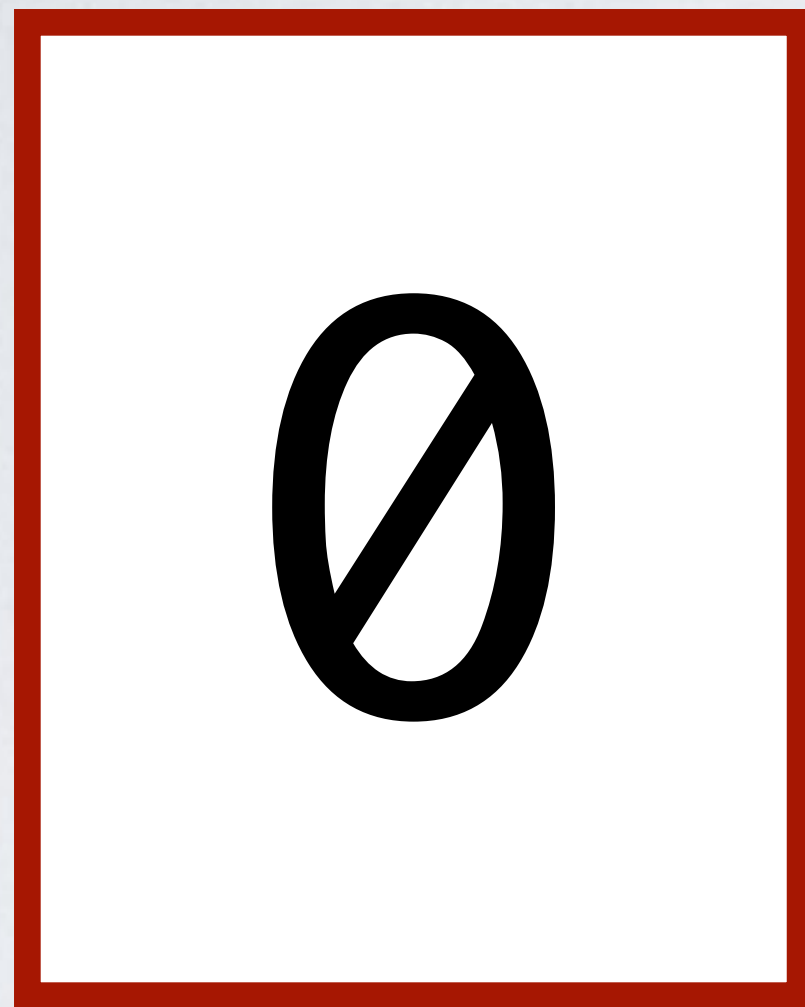
```
.lk-list
```

```
ul li a
```

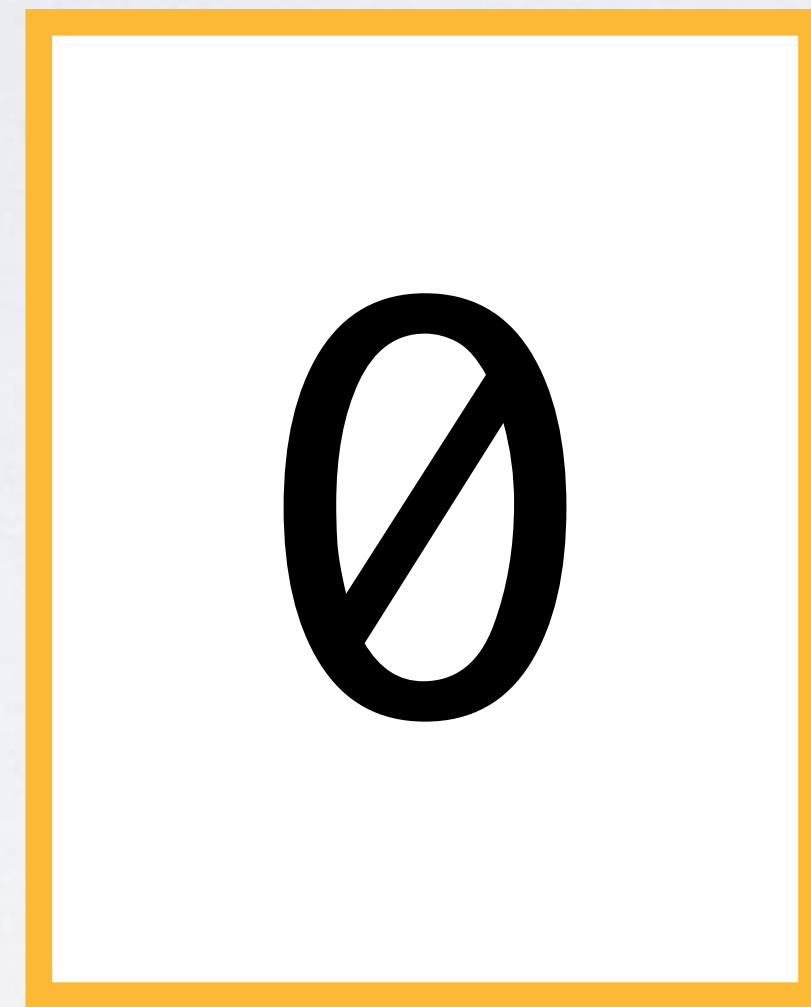
index.html

- I'm the first link of this list.
- I'm the second link of this list.
- I'm the third link of this list.

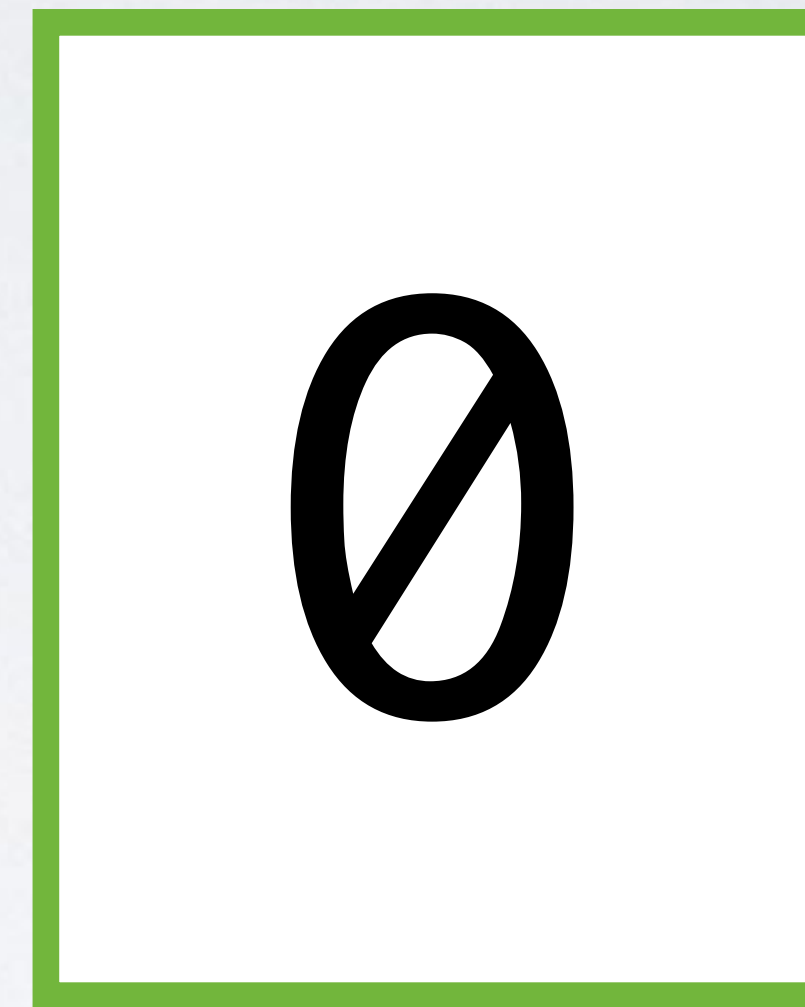
```
<a style="" ...
```



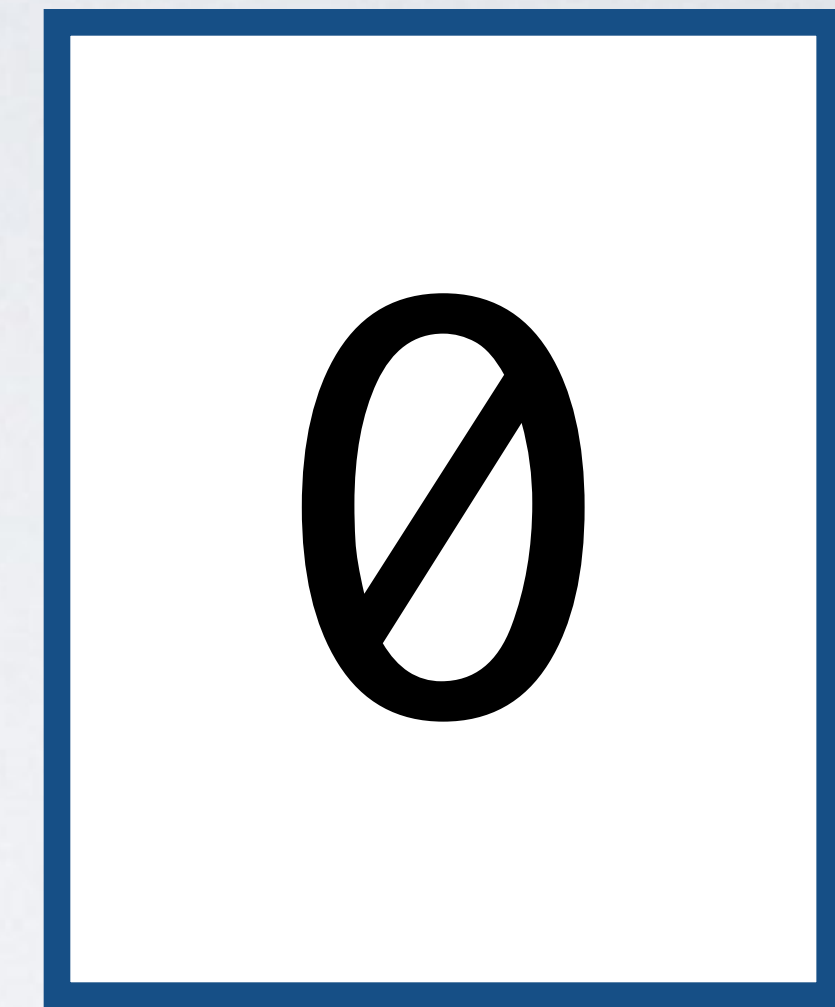
Inline
(style attribute)



ID



Class
Pseudo-class
Attribute



Element

```
<a style="" ...
```

1

Inline
(style attribute)

0

ID

0

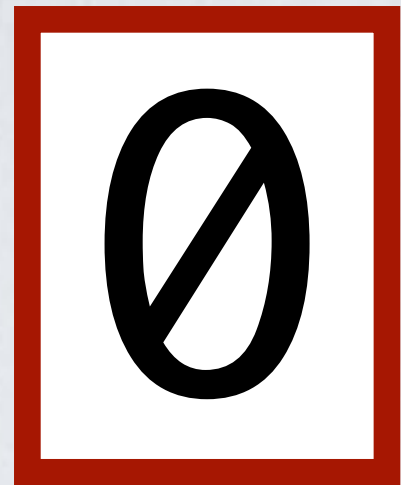
Class
Pseudo-class
Attribute

0

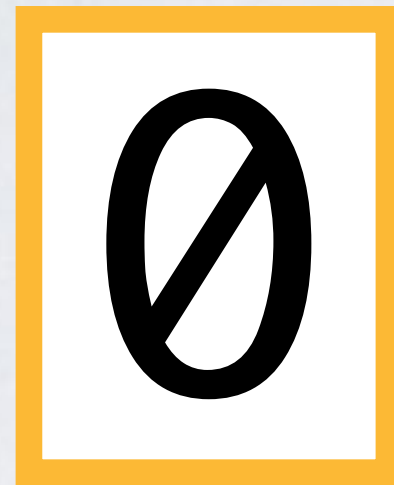
Element

LET'S PLAY!

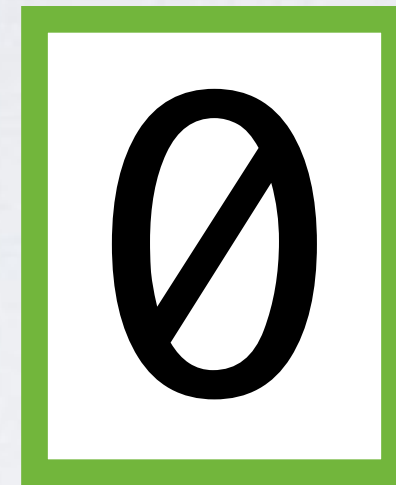

```
html body div div h2
```



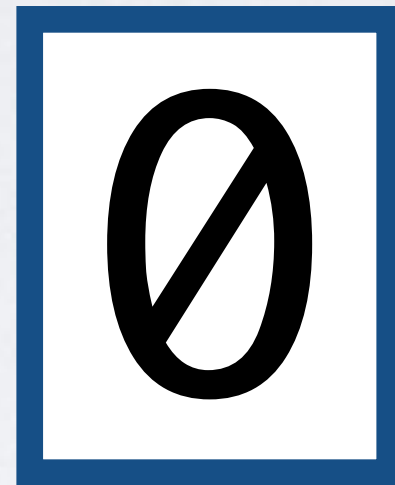
Inline



ID

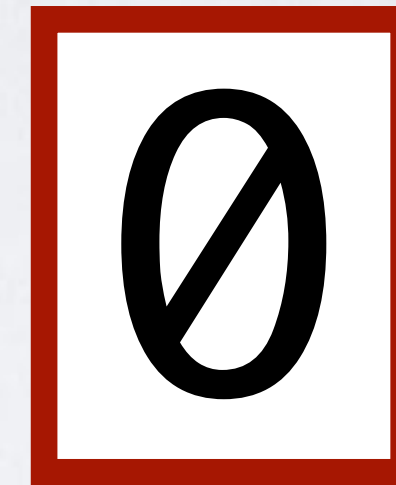


Class
Pseudo-class
Attribute

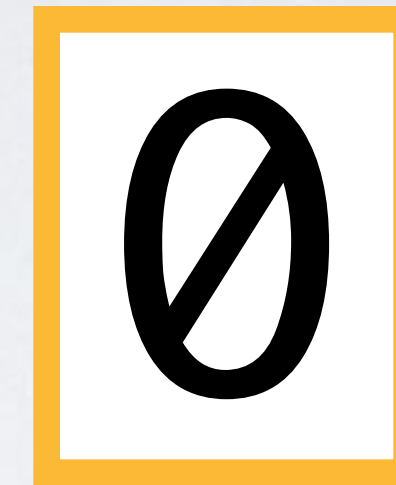


Element

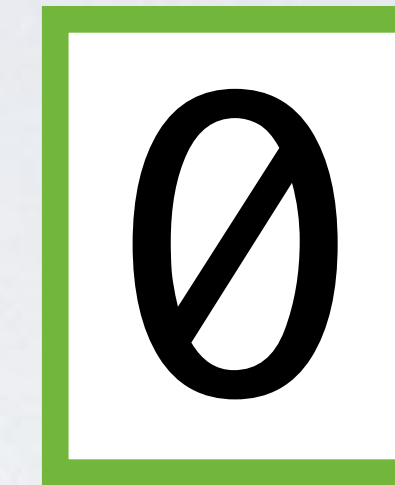
```
.header-important
```



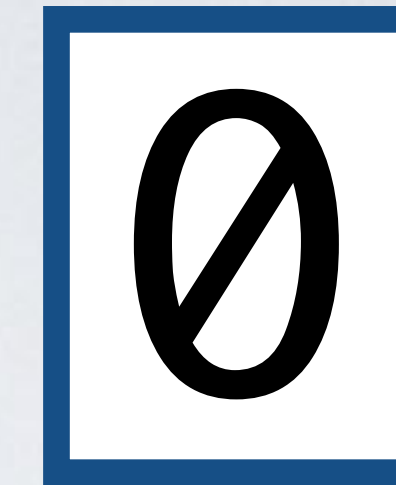
Inline



ID

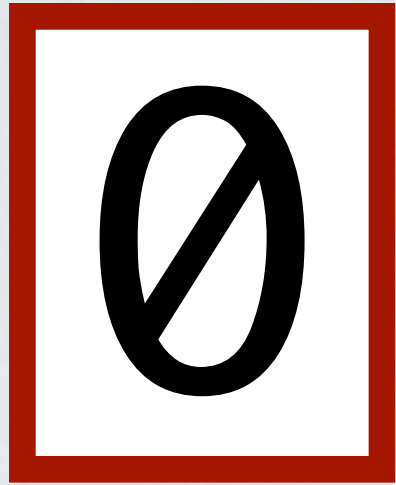


Class
Pseudo-class
Attribute

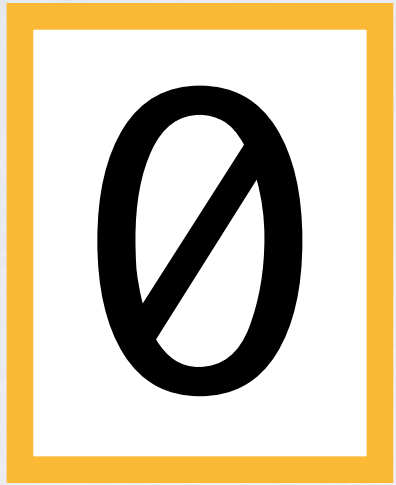


Element

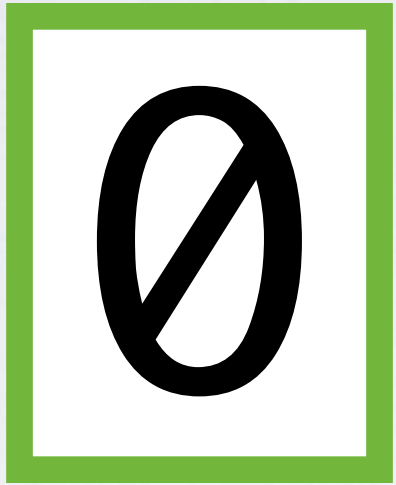
```
html body div div h2
```



Inline



ID

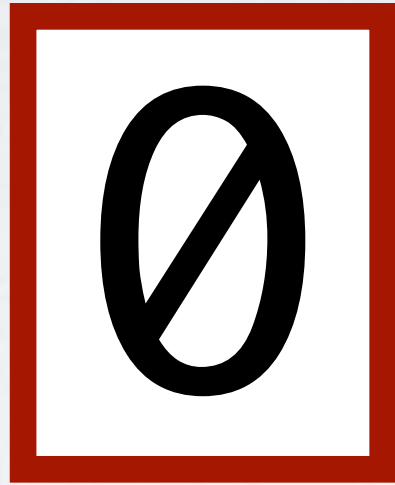


Class
Pseudo-class
Attribute

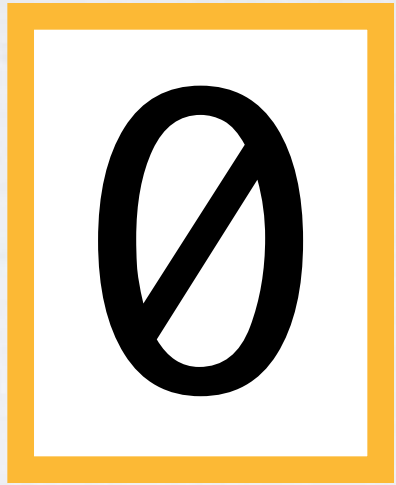


Element

```
.header-important
```



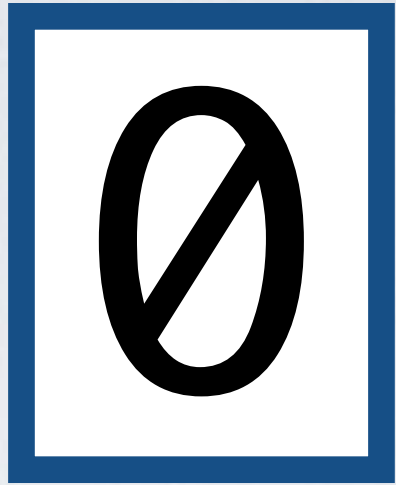
Inline



ID



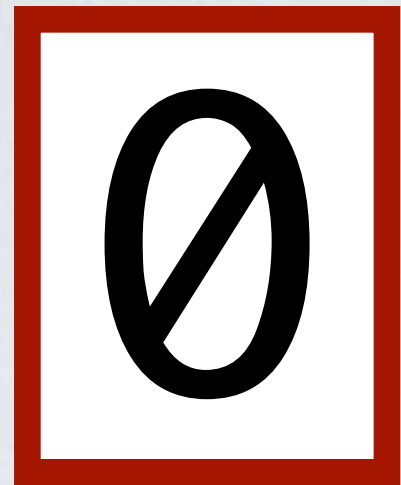
Class
Pseudo-class
Attribute



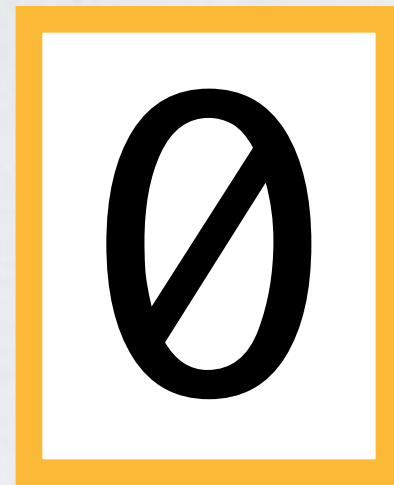
Element



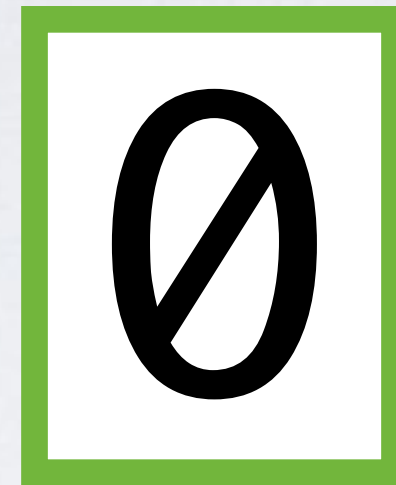
#info



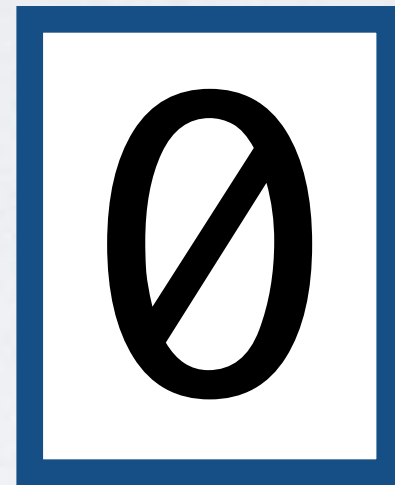
Inline



ID

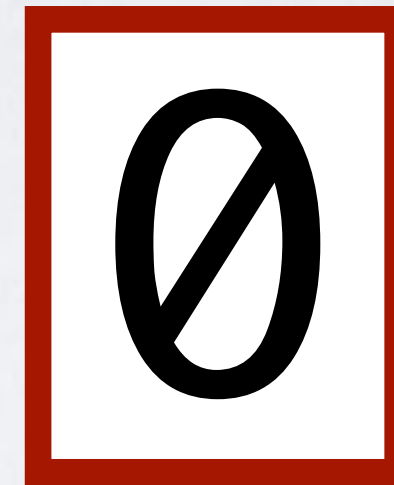


Class
Pseudo-class
Attribute

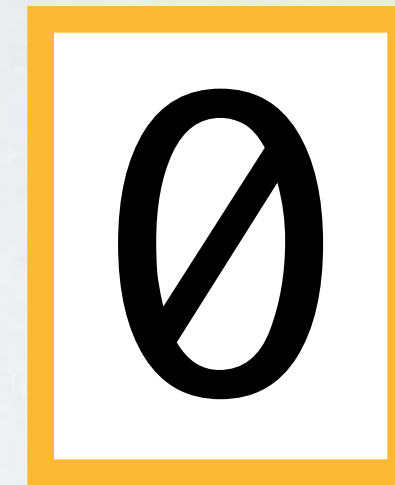


Element

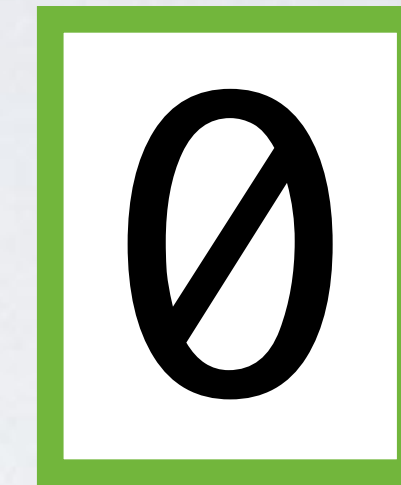
.box .info p



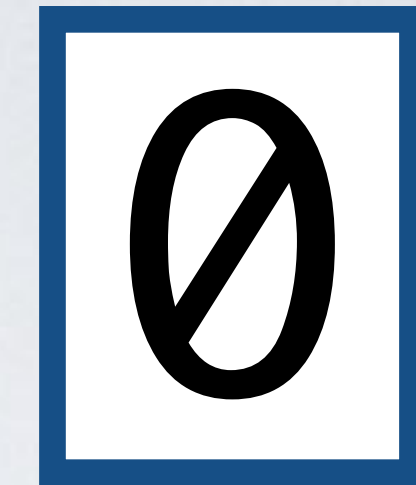
Inline



ID

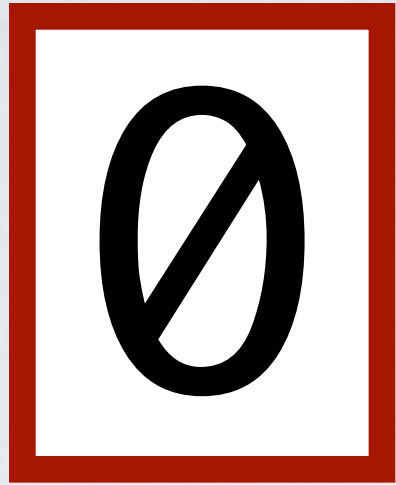


Class
Pseudo-class
Attribute



Element

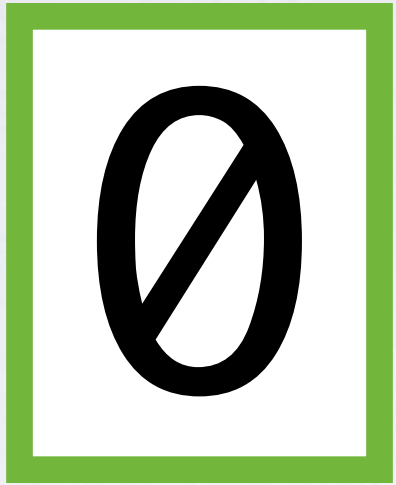
#info



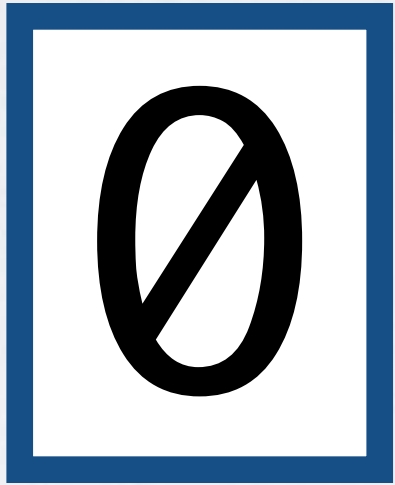
Inline



ID

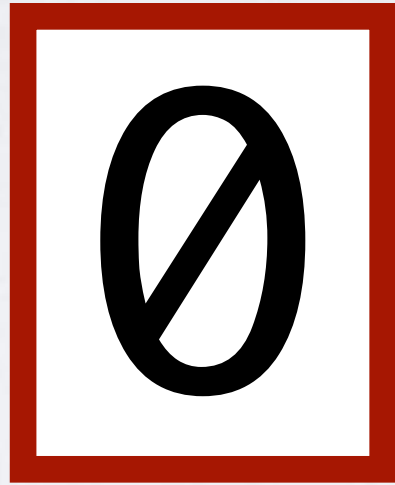


Class
Pseudo-class
Attribute

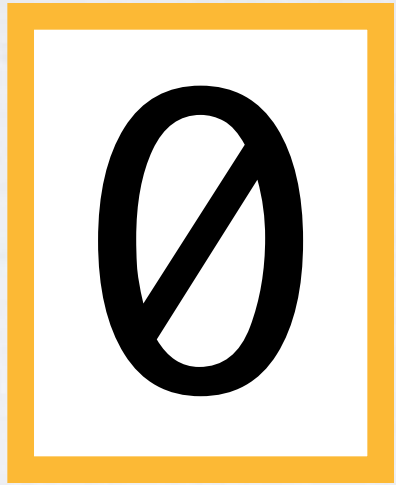


Element

.box .info p



Inline



ID



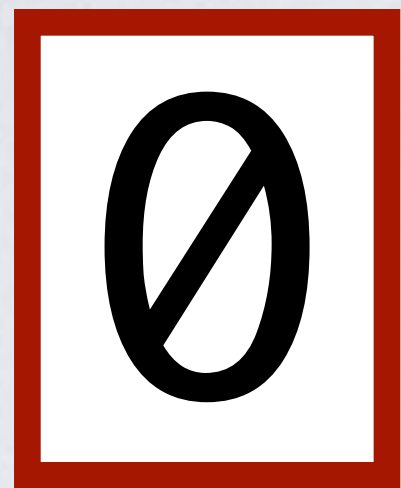
Class
Pseudo-class
Attribute



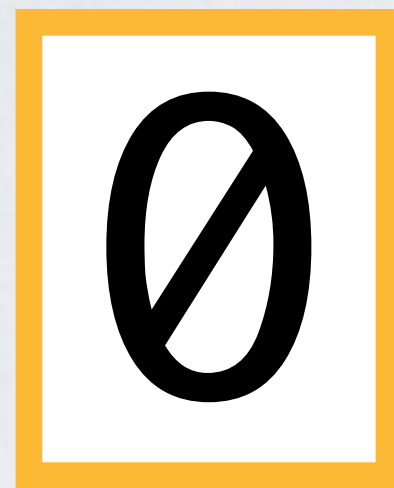
Element



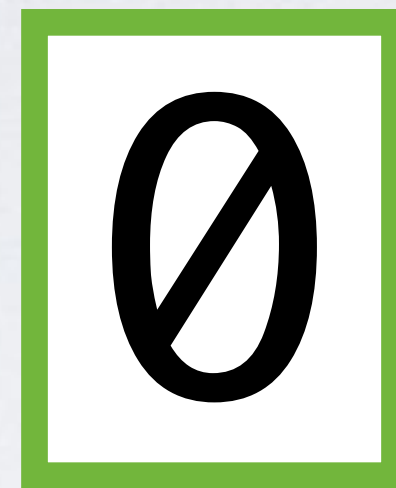
ul#nav li.active a



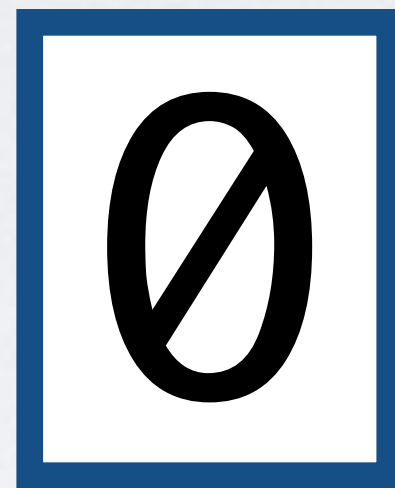
Inline



ID

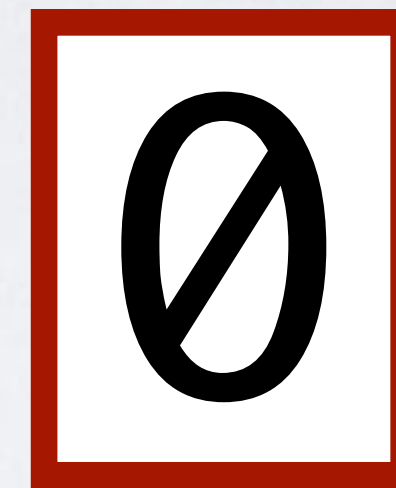


Class
Pseudo-class
Attribute

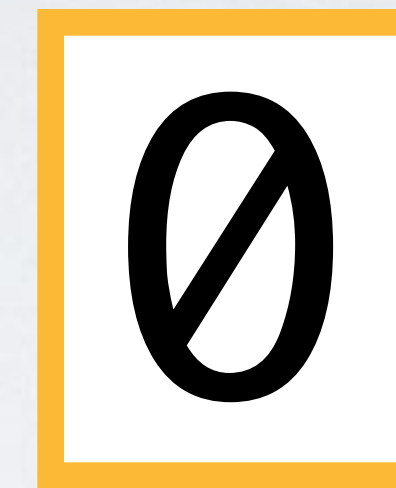


Element

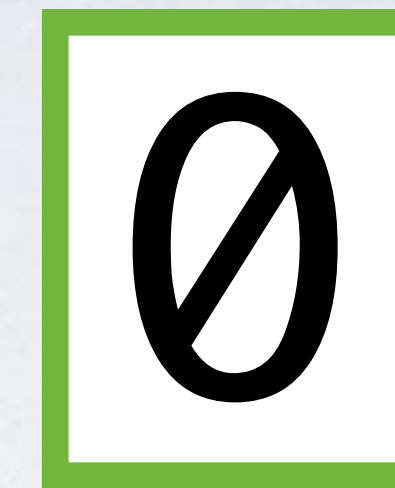
#lk-special



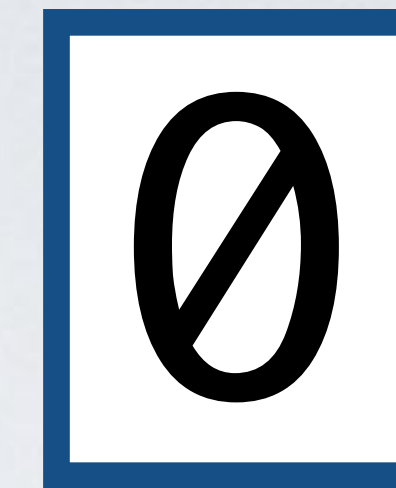
Inline



ID

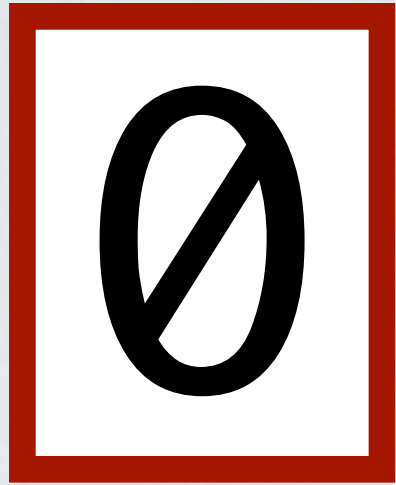


Class
Pseudo-class
Attribute



Element

```
ul#nav li.active a
```



Inline



ID



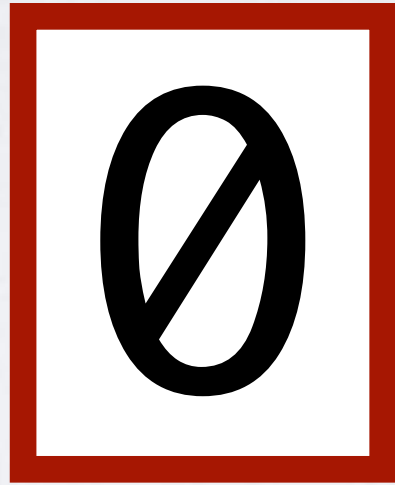
Class
Pseudo-class
Attribute



Element



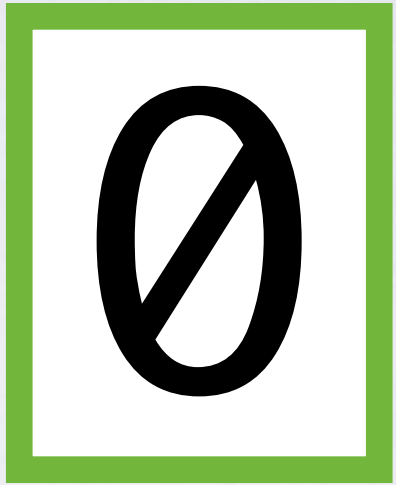
```
#lk-special
```



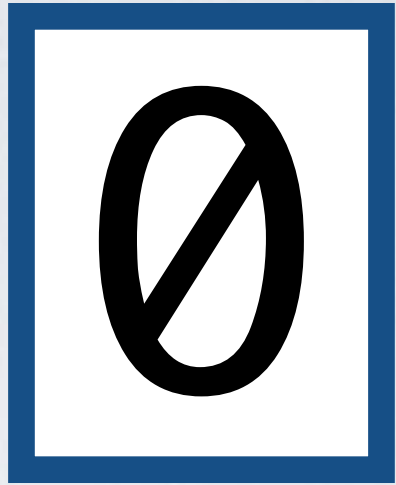
Inline



ID

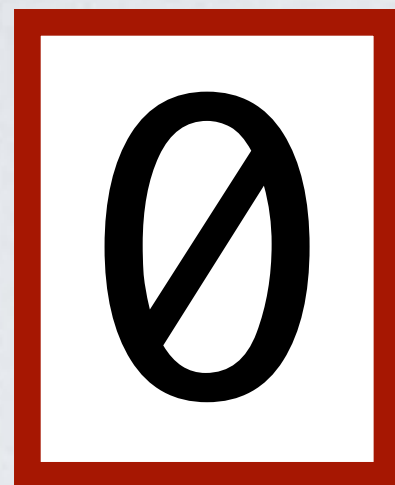


Class
Pseudo-class
Attribute

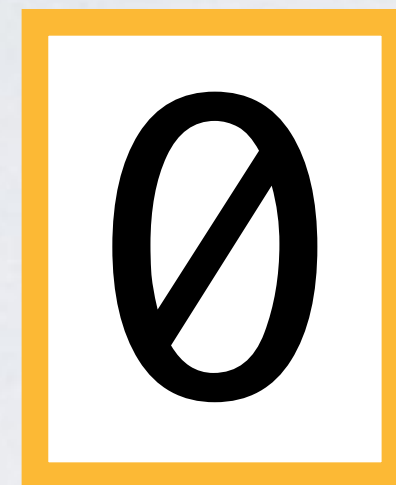


Element

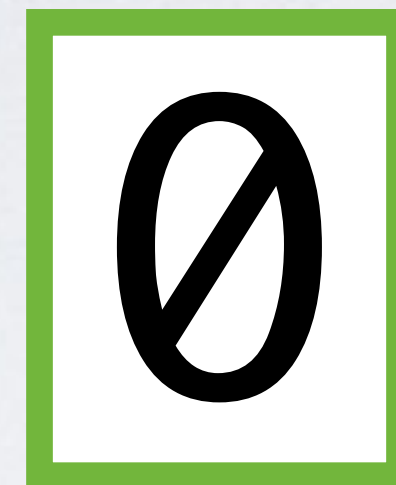
```
#box ul li a
```



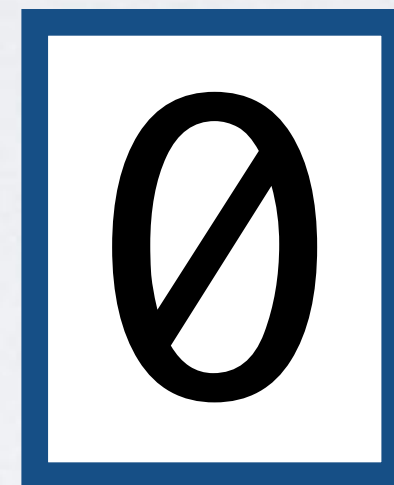
Inline



ID

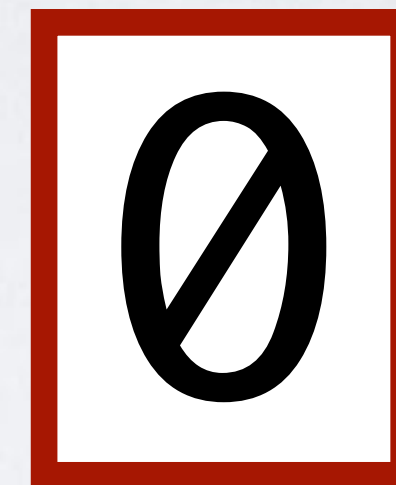


Class
Pseudo-class
Attribute

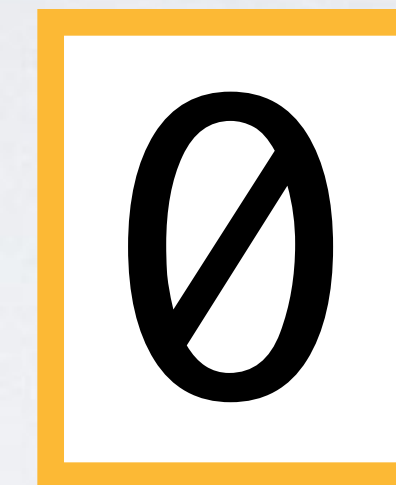


Element

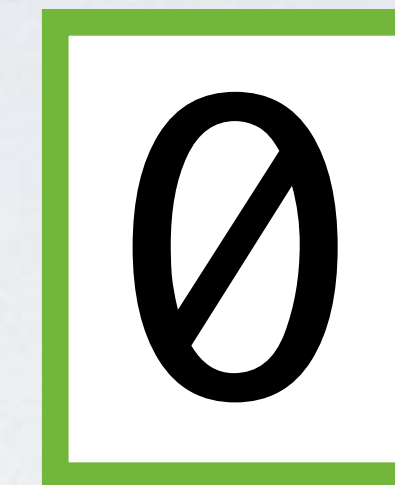
```
li a .lk-important
```



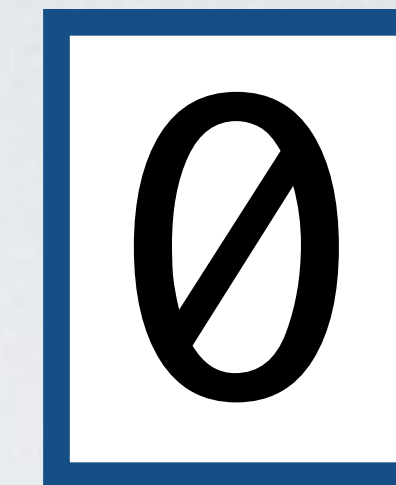
Inline



ID



Class
Pseudo-class
Attribute



Element


```
#box ul li a
```

```
li a .lk-important
```

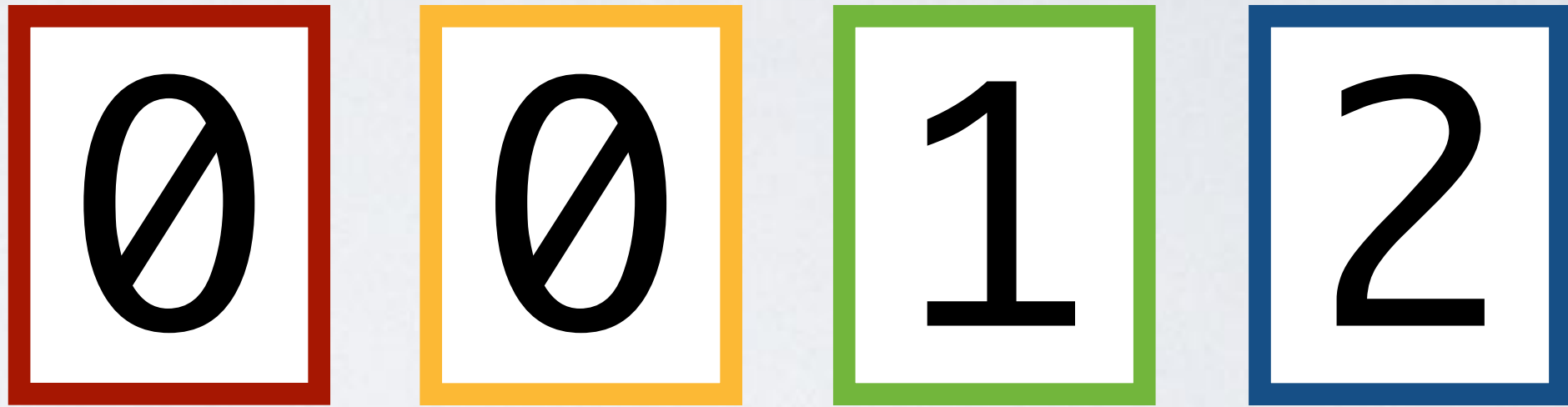


Inline

ID

Class
Pseudo-class
Attribute

Element



Inline













ID

Class
Pseudo-class
Attribute

Element



SPECIFICITY WARS

 <p>a 1 x element selector Sith: 0, 0, 1</p>	 <p>p a 2 x element selectors Sith: 0, 0, 2</p>	 <p>.whatever 1 x class selector Sith: 0, 1, 0</p>	 <p>a.whatever 1 x element selector 1 x class selector Sith: 0, 1, 1</p>
 <p>p a.whatever 2 x element selectors 1 x class selector Sith: 0, 1, 2</p>	 <p>.whatever .whatever 2 x class selectors Sith: 0, 2, 0</p>	 <p>p.whatever a.whatever 2 x element selectors 2 x class selectors Sith: 0, 2, 2</p>	 <p>#whatever 1 x id selector Sith: 1, 0, 0</p>
 <p>a#whatever 1 x element selector 1 x id selector Sith: 1, 0, 1</p>	 <p>.whatever a#whatever 1 x element selectors 1 x class selector 1 x id selector Sith: 1, 1, 1</p>	 <p>.whatever .whatever #whatever 2 x class selectors 1 x id selector Sith: 1, 2, 0</p>	 <p>#whatever #whatever 2 x id selectors Sith: 2, 0, 0</p>

Specificity Calculator

Sort by specificity

A visual way to understand [CSS specificity](#). Change the selectors or paste in your own.

```
nav > a:hover::before
```

0

IDs

1

Classes, attributes and pseudo-classes

3

Elements and pseudo-elements

+ Duplicate

```
ul#primary-nav li.active
```

1

IDs

1

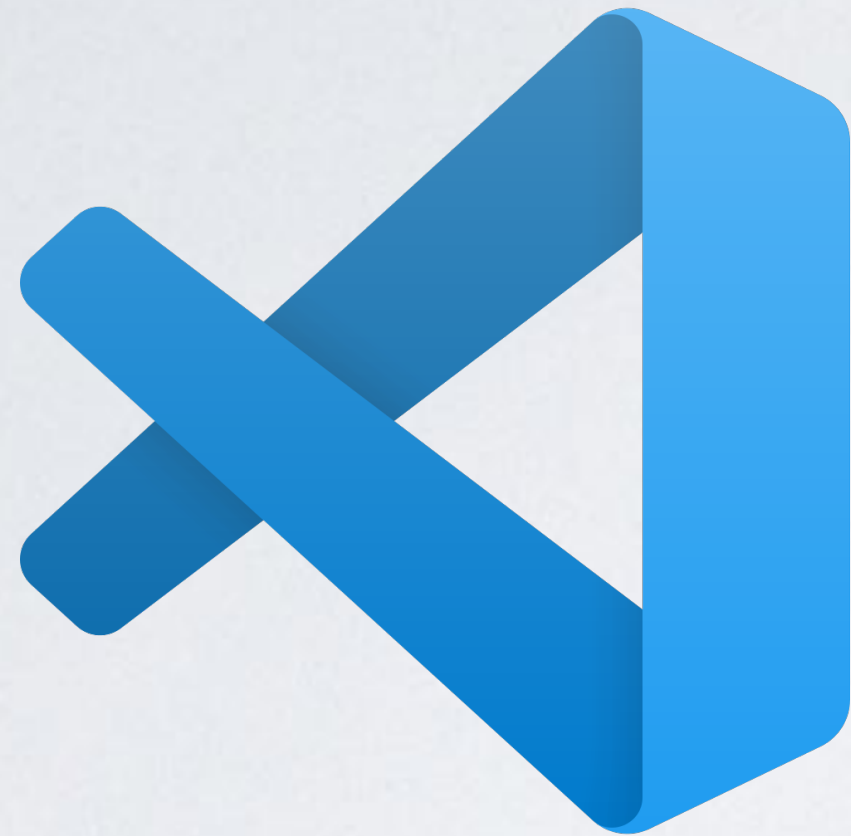
Classes, attributes and pseudo-classes

2

Elements and pseudo-elements

+ Duplicate

TOOLS: VISUAL STUDIO CODE

A screenshot of the Visual Studio Code editor interface. The title bar shows 'styles.css — CSS101'. The editor has a dark theme and shows a file named 'styles.css' with a breadcrumb 'Labs > css > styles.css > article'. The code is as follows:

```
1 section {
2   border: 1px solid;
3   ...
4   <article>
5   Selector Specificity: (0, 0, 1)
6 article {
7   float: left;
8   background:
9   color: #fff;
10 }
11
```

A tooltip is visible over the '<article>' selector on line 4, displaying 'Selector Specificity: (0, 0, 1)'. A grey callout box with a white border and a pointer to the tooltip contains the text 'Just hover your pointer over a selector'. The left sidebar shows icons for Explorer, Search, Source Control, Run and Debug, and Extensions.

CASCADE



SPECIFICITY



CSS

CSS FUNDAMENTALS

Specificity



IN A ROCKET

Learn front-end development at *rocket speed*