

CSS

CSS FUNDAMENTALS

SELECTORS

Specificity



IN A ROCKET

Learn front-end development at rocket speed.

CASCADE



SPECIFICITY

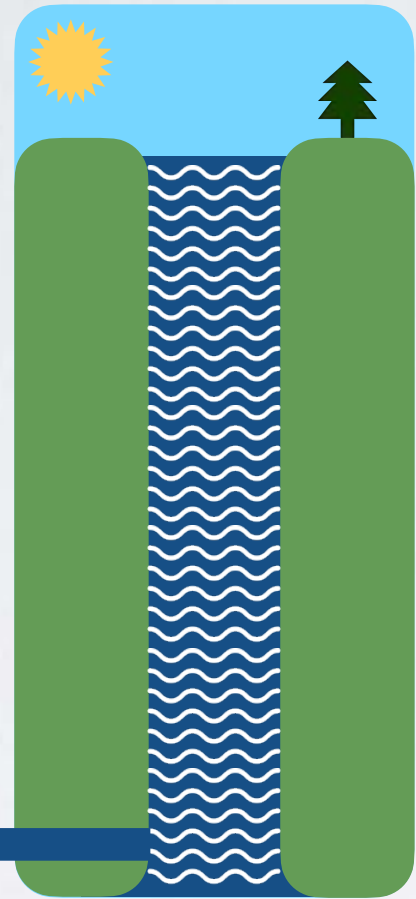
CASCADE

+

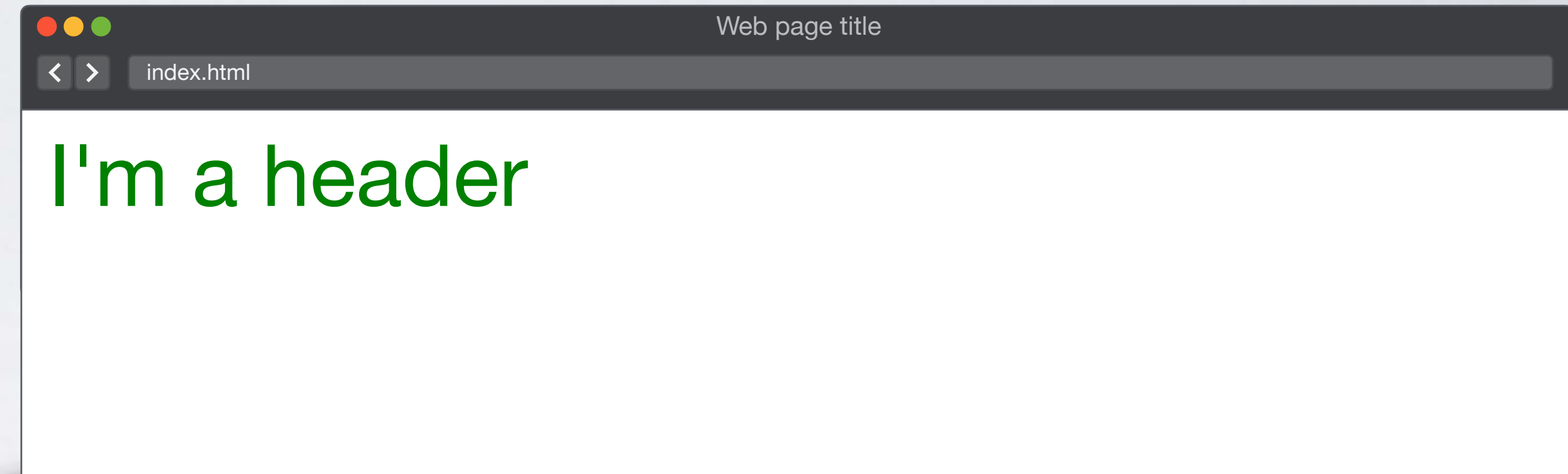
SPECIFICITY

HTML

```
01 h1 { color: blue; }  
02 p { color: red; }  
03 input { color: pink; }  
04 h1 { color: green; }
```



CSS

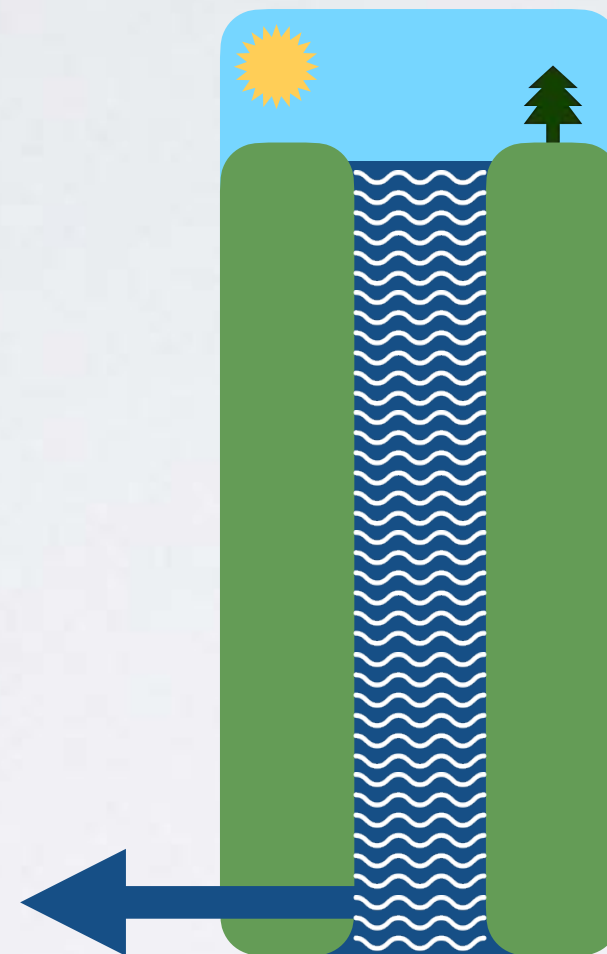


HTML

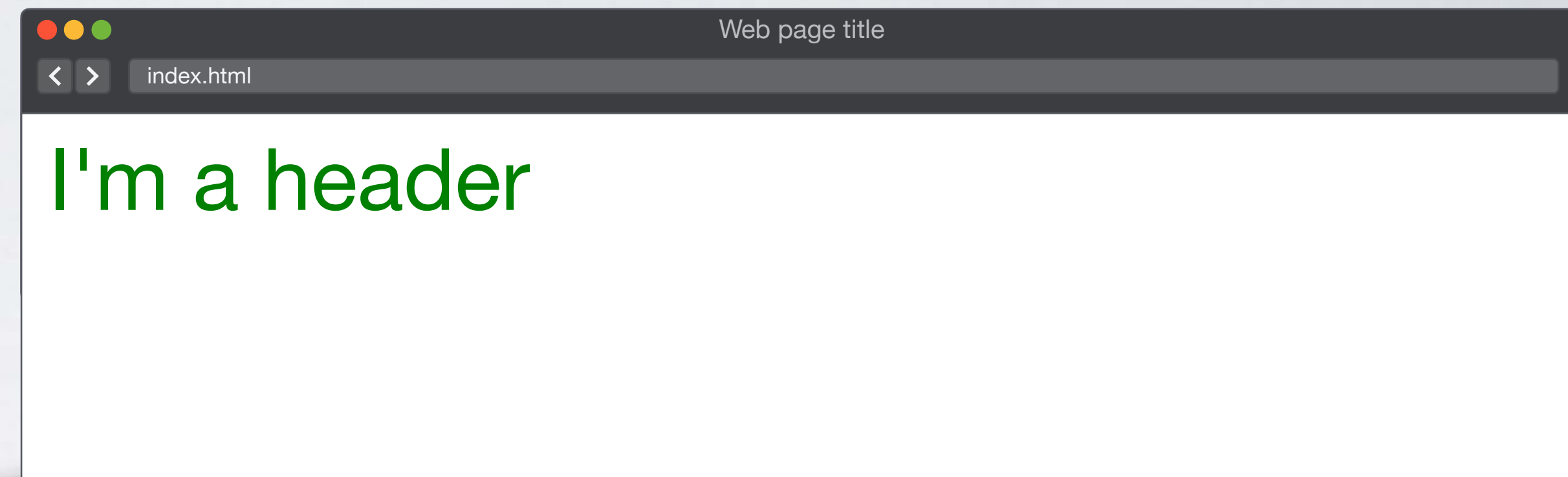
```
<html>
<head>
  <link rel="stylesheet" href="styles.css">
  <style>
    h1 { color: blue; }
  </style>
</head>

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

h1 { color: red; }



CSS



CASCADE

+

SPECIFICITY

HTML

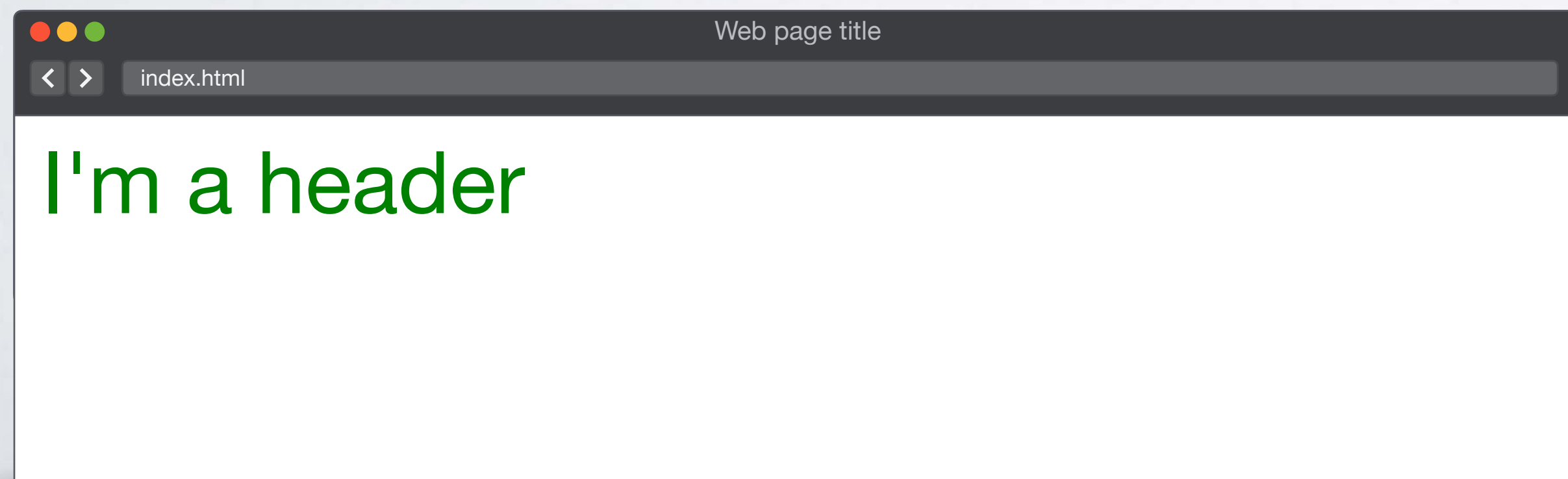
```
<body>
<header>
  <h1>I'm a header</h1>
</header>
</body>
```

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



SPECIFICITY

HTML

```
<head>
<link rel="stylesheet" href="css/styles.css">
<style>
  h1 { color: gray; }
</style>
</head>
<body>
<header>
  <h1>I'm a header</h1>
</header>
</body>
```

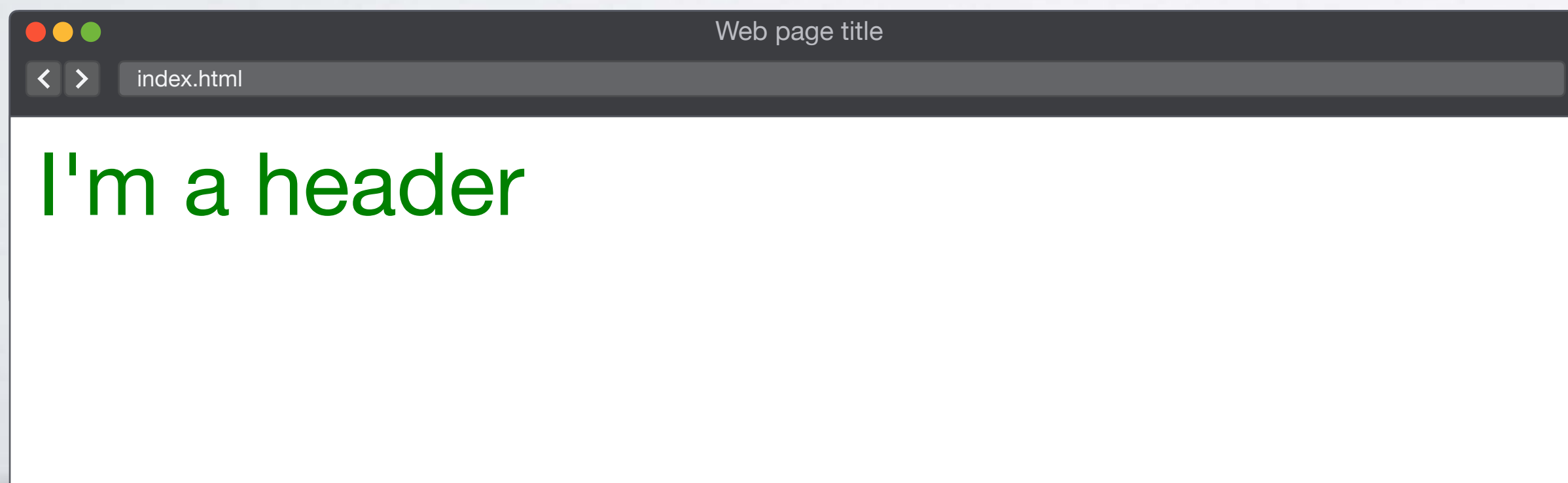
Should have priority due to cascading priority scheme

CSS (css/styles.css)

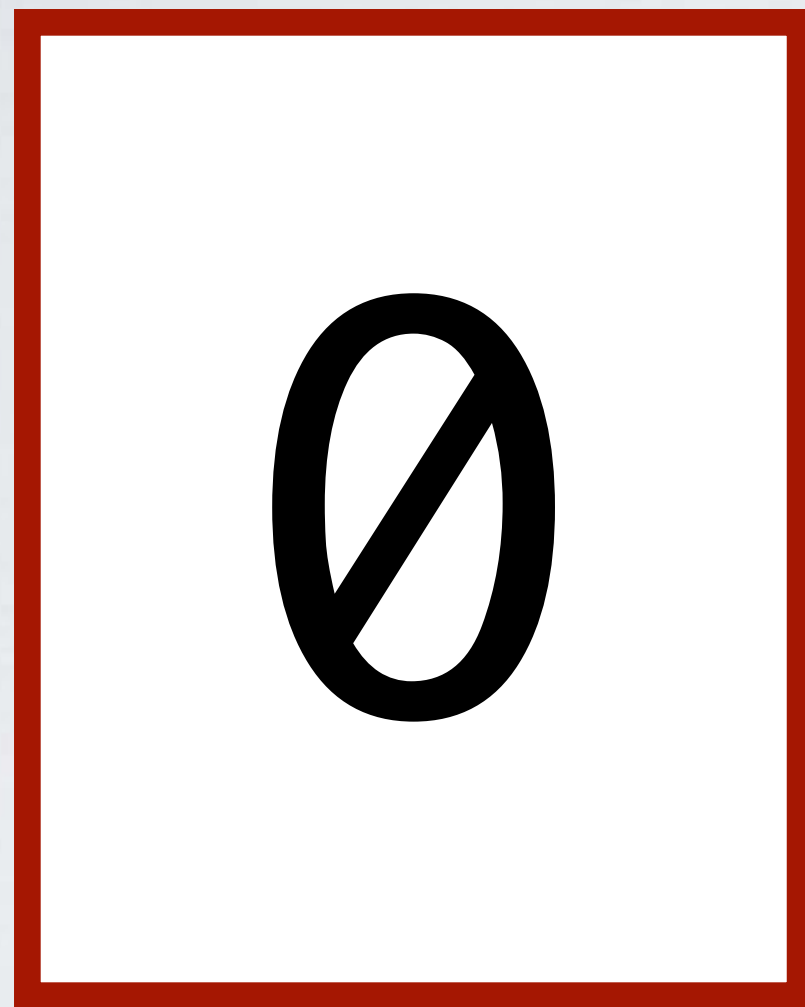
```
header h1 { color: green; }
```

But this selector prevails because of its specificity

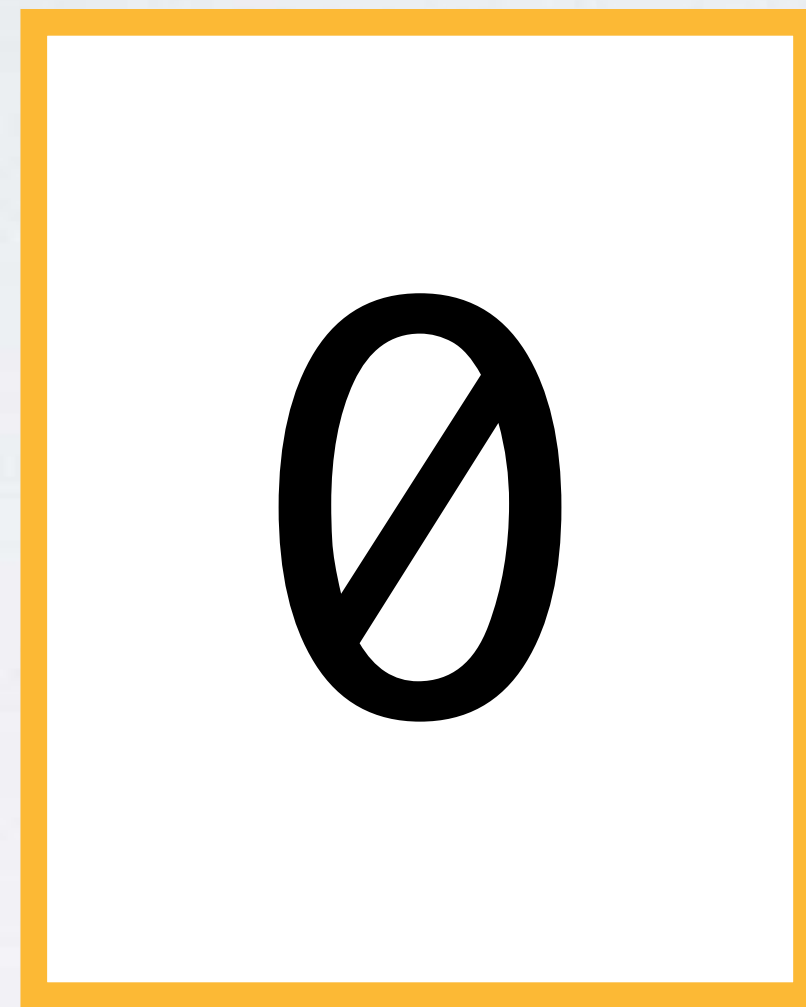
Browser



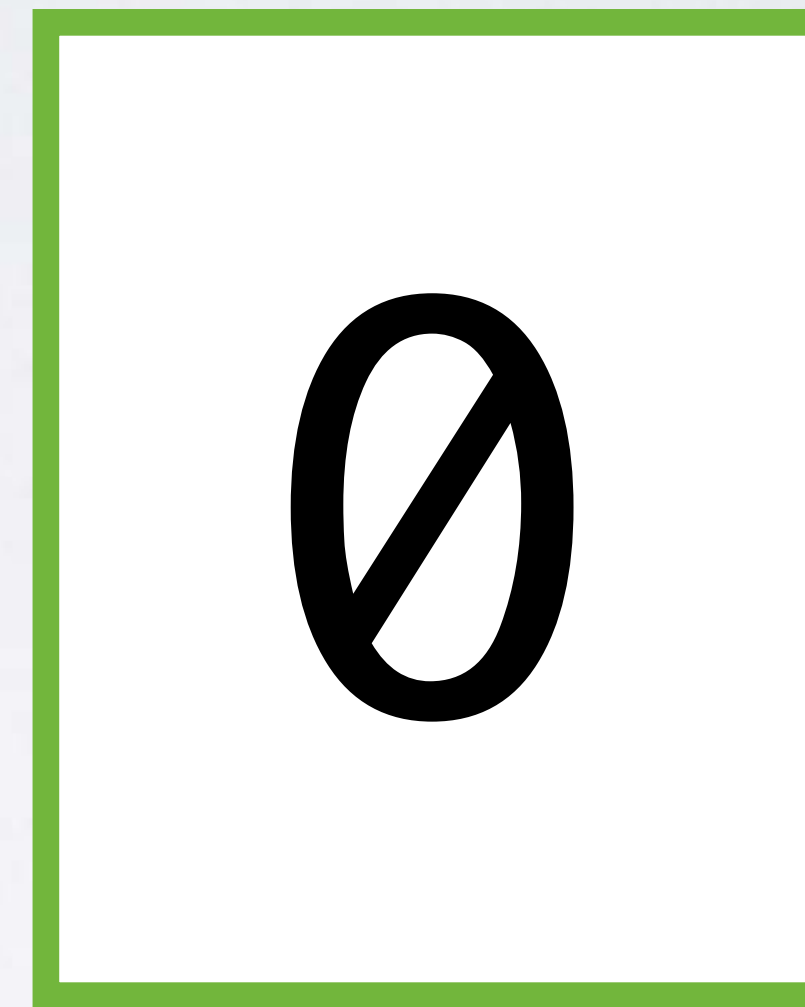
selector



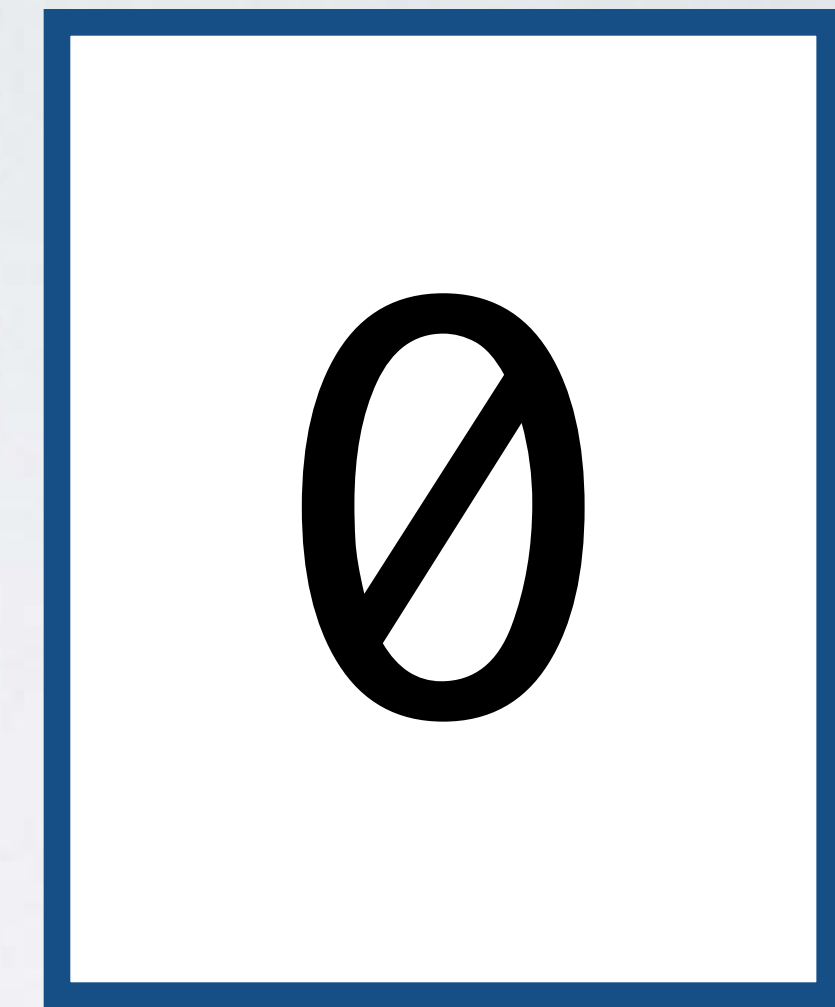
Inline
(style attribute)



ID

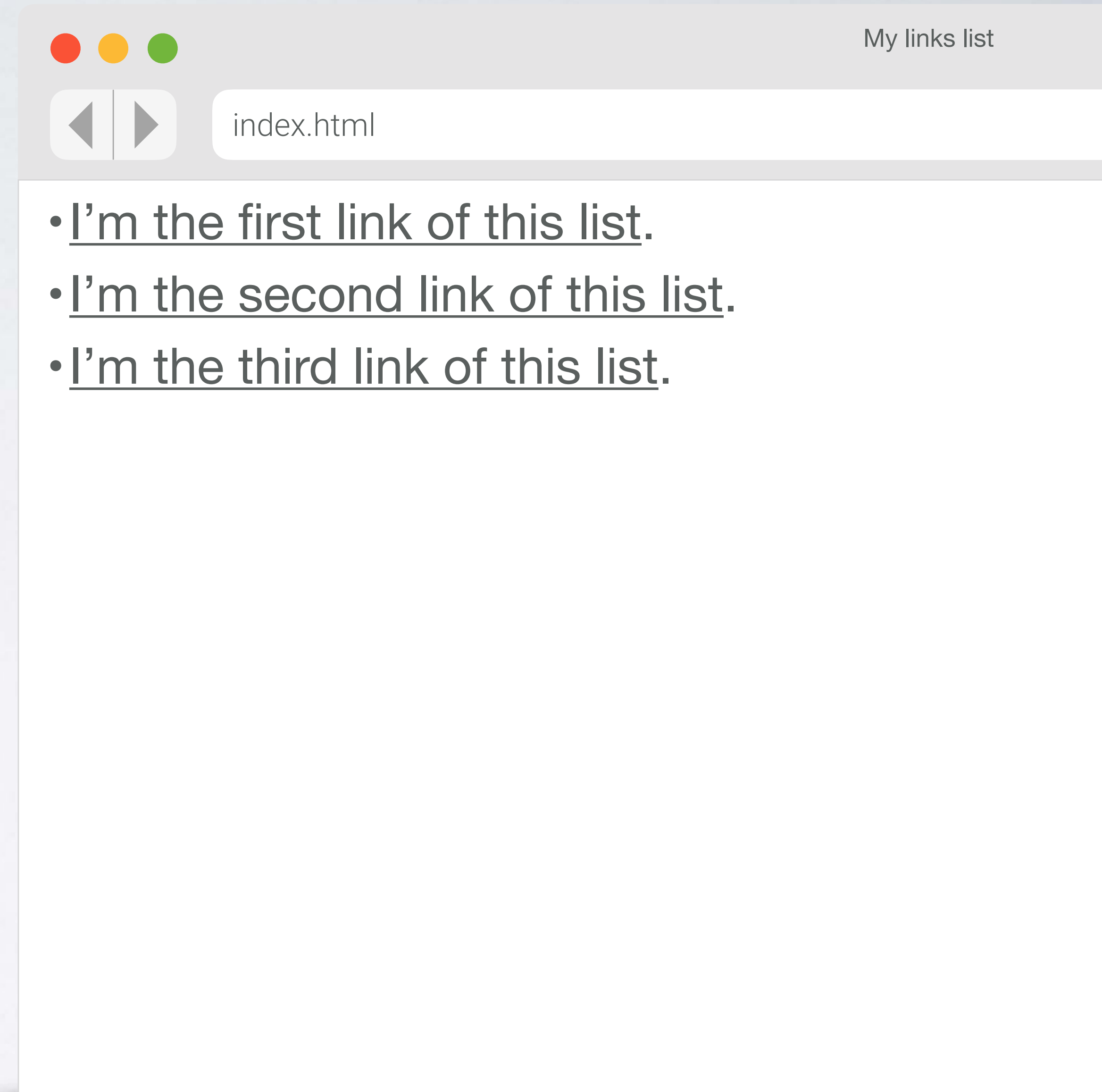


Class
Pseudo-class
Attribute

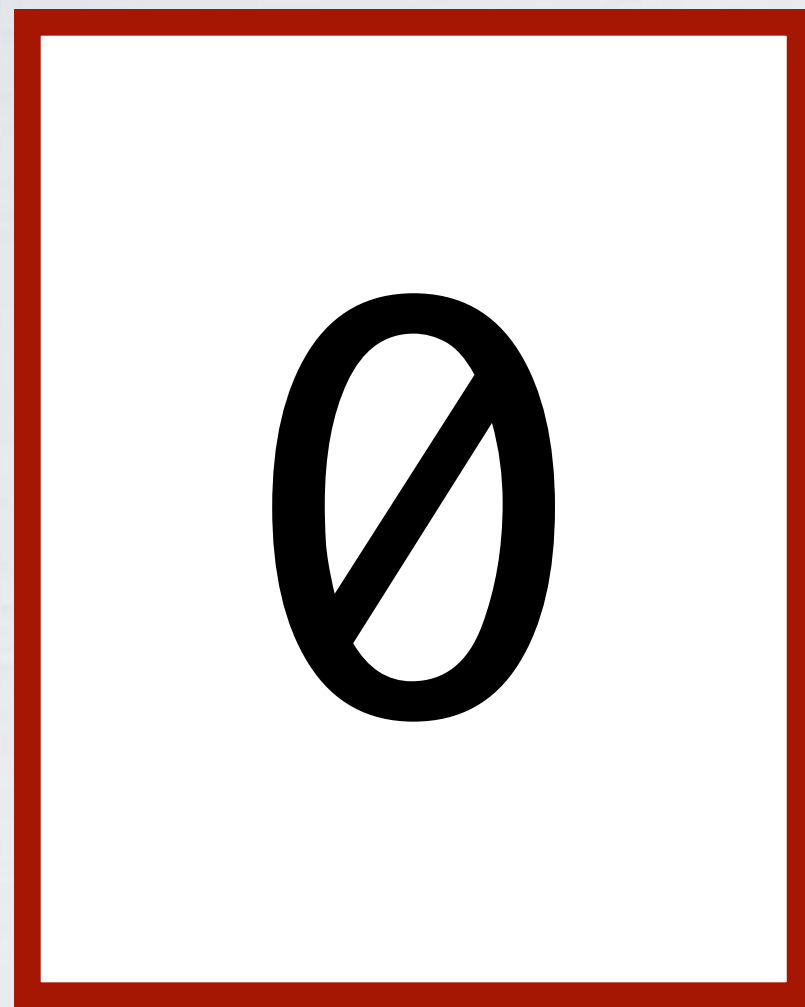


Element

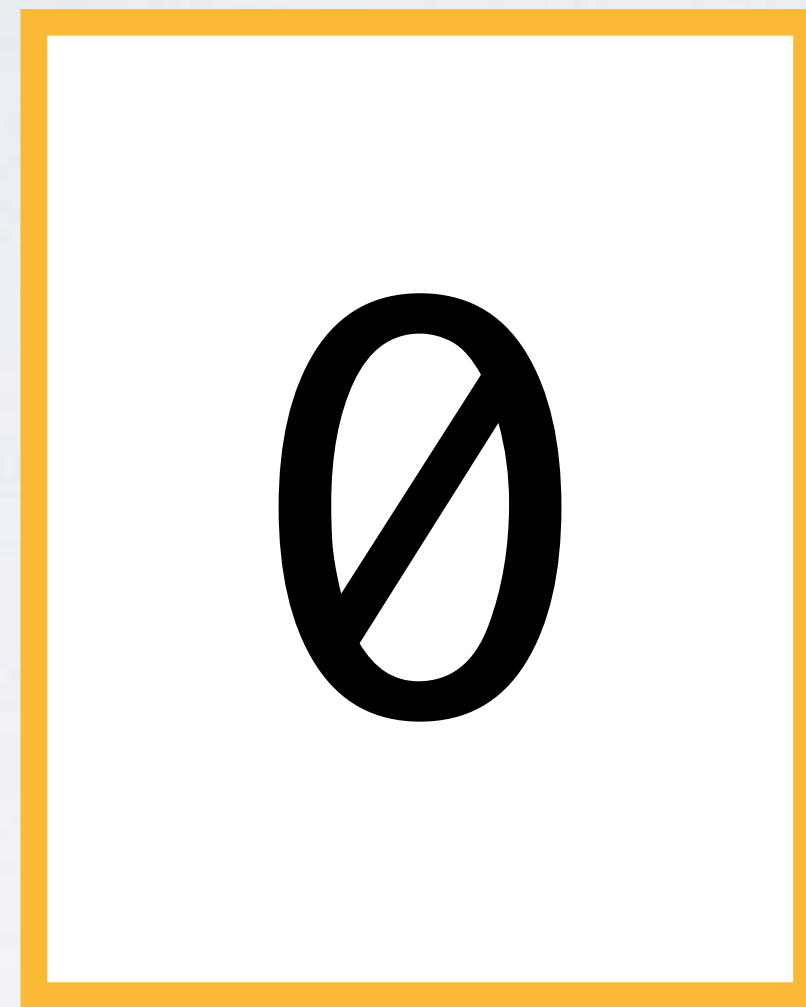
```
ul li a
```



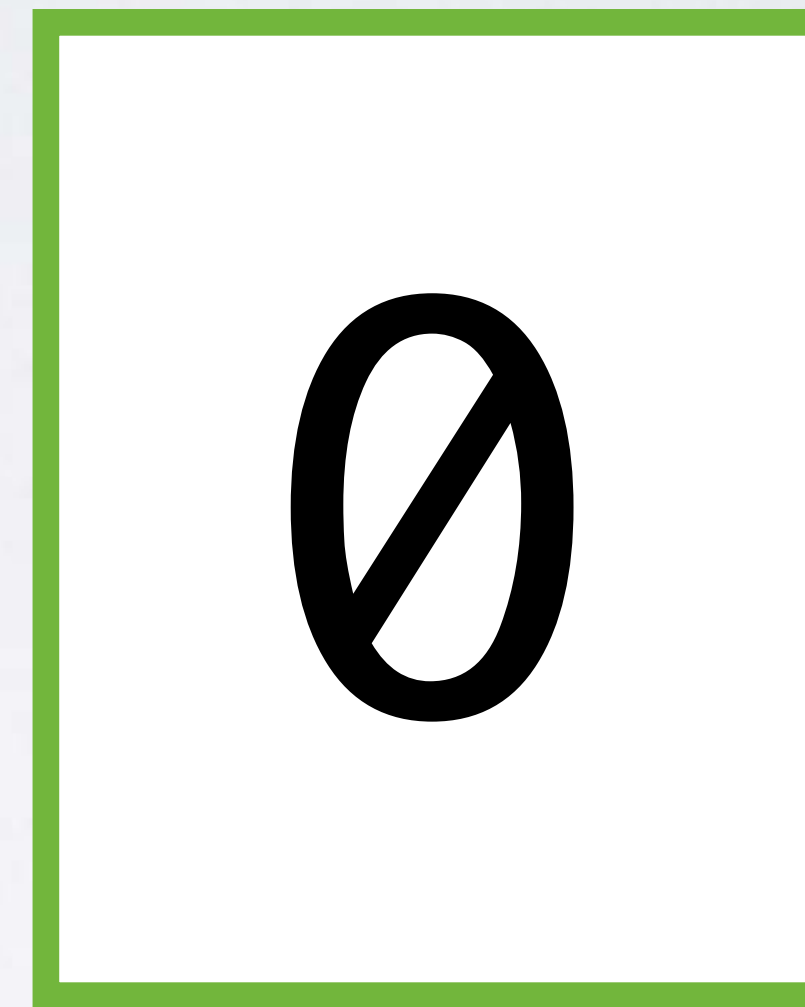
ul li a



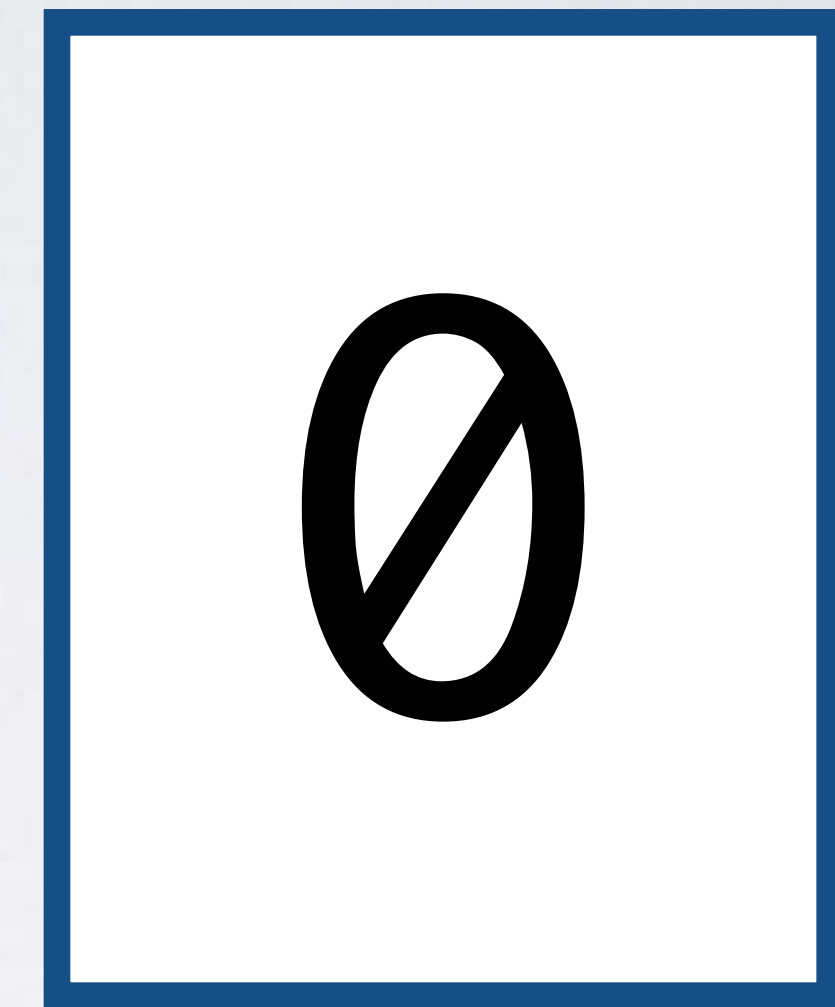
Inline
(style attribute)



ID



Class
Pseudo-class
Attribute



Element

ul li a

0

Inline
(style attribute)

0

ID

0

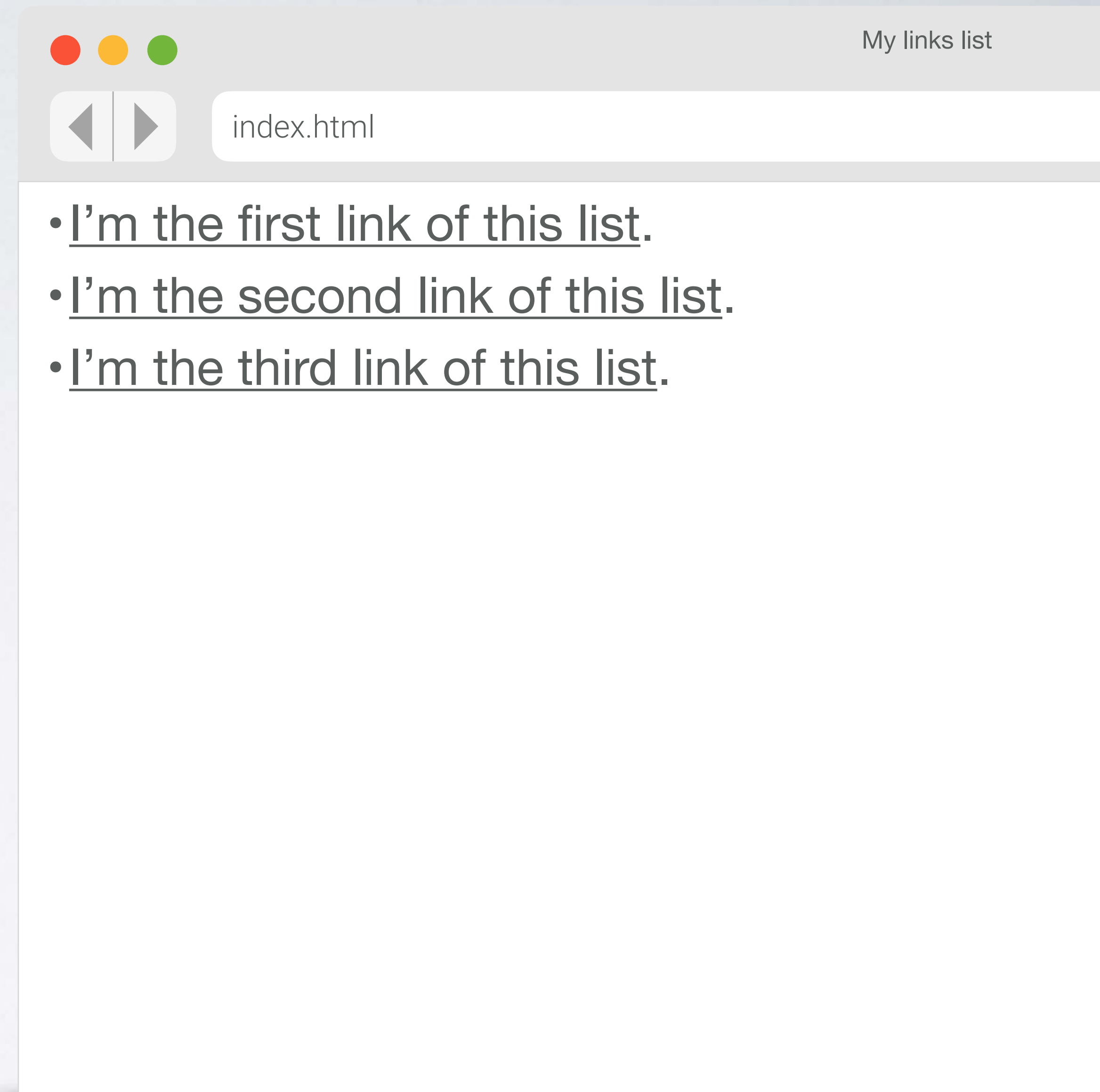
Class
Pseudo-class
Attribute

3

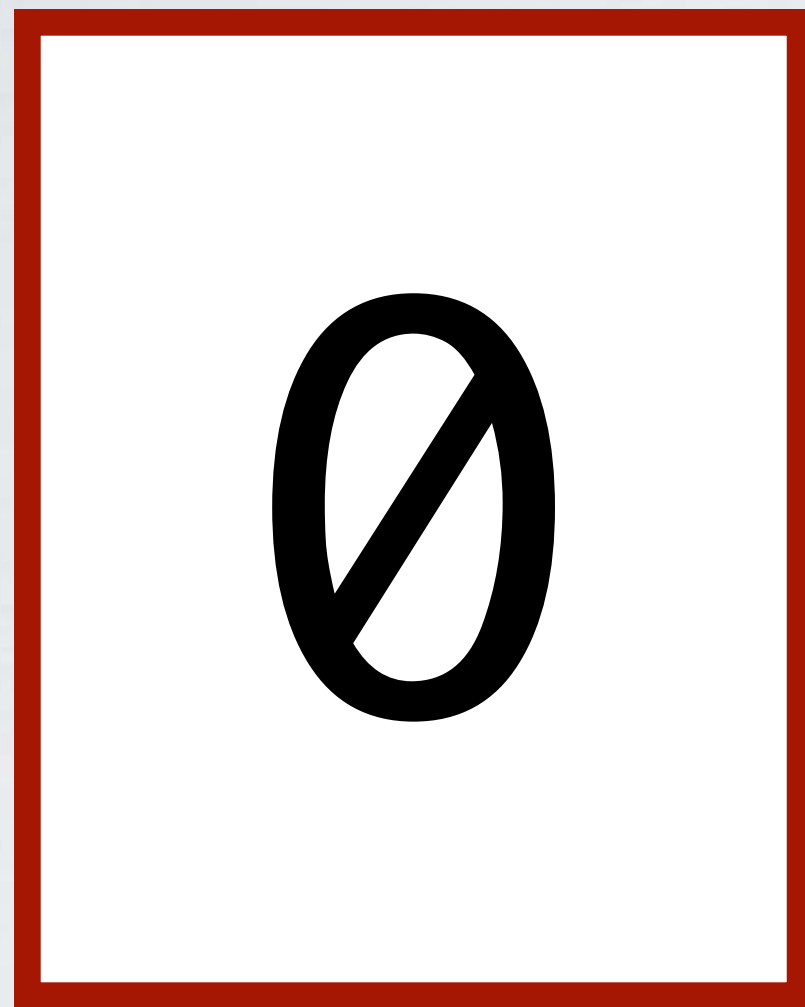
Element

```
.lk-list
```

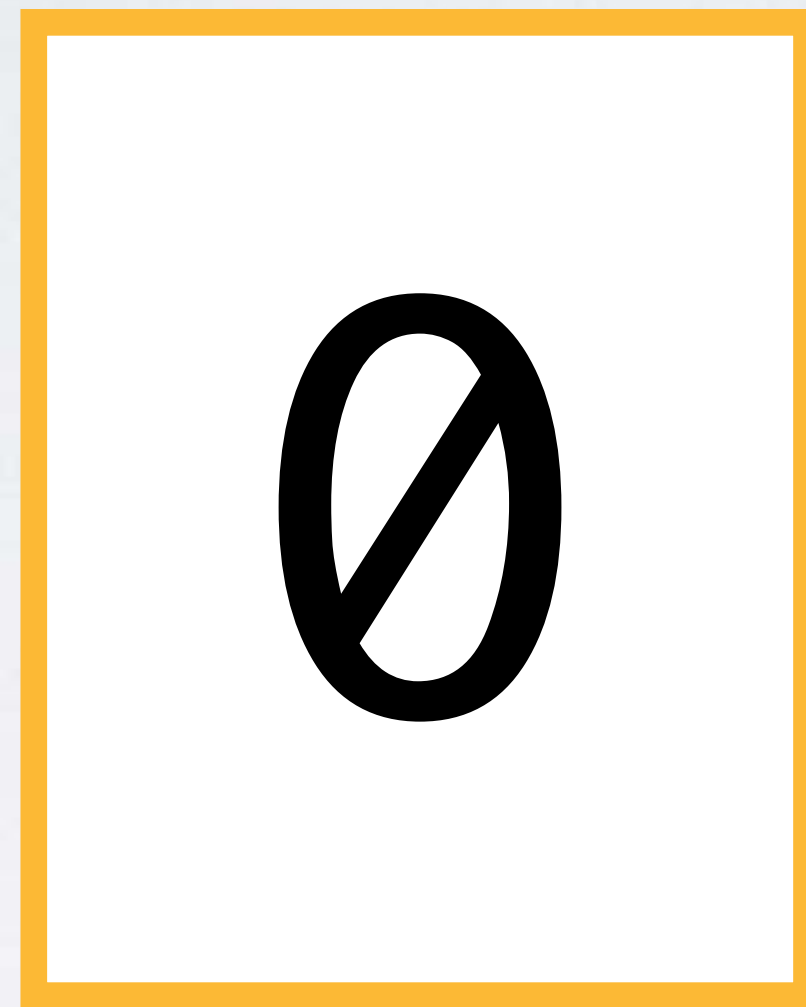
```
ul li a
```



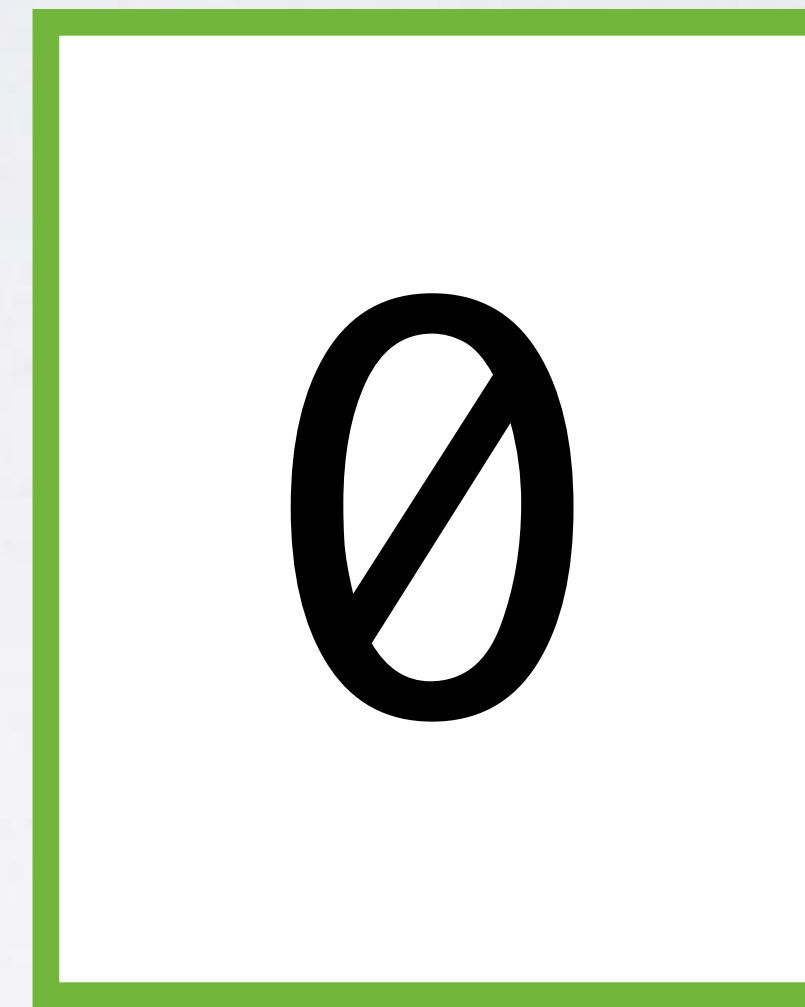
`.lk-list`



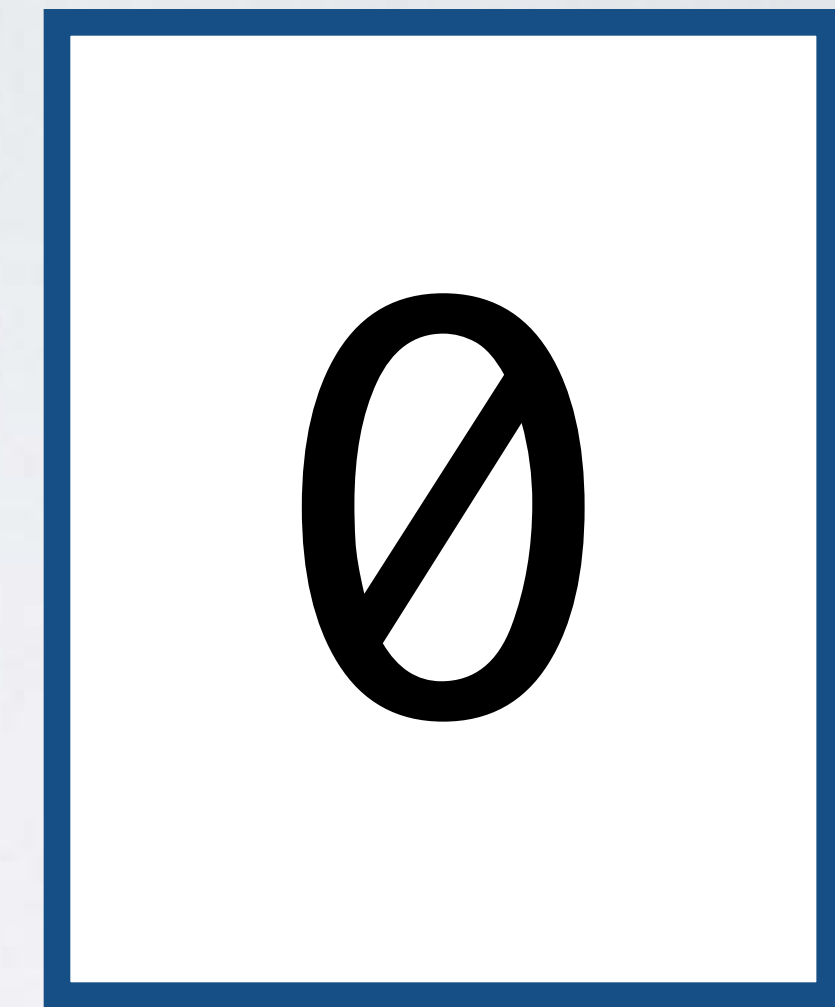
Inline
(style attribute)



ID

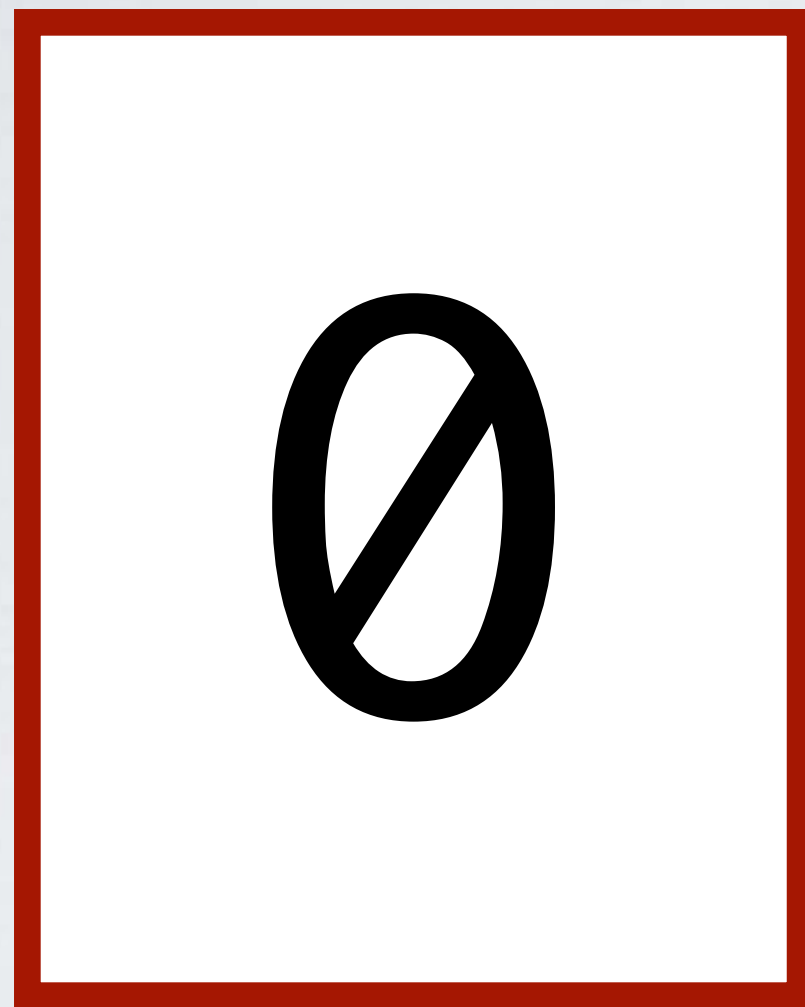


Class
Pseudo-class
Attribute

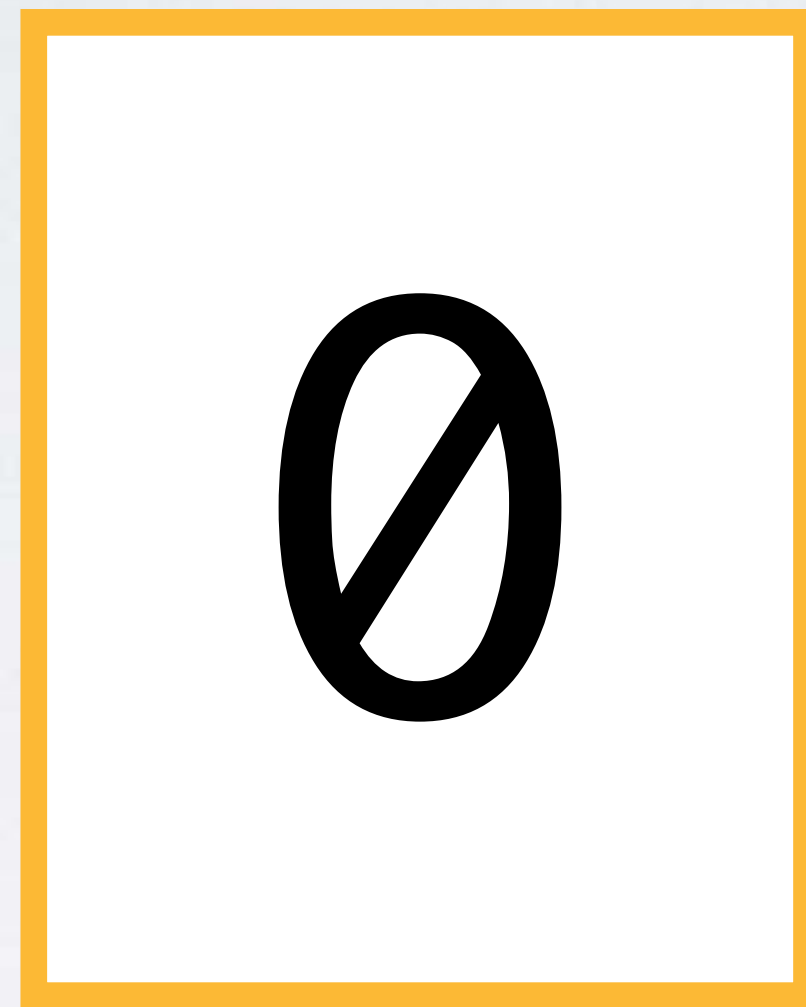


Element

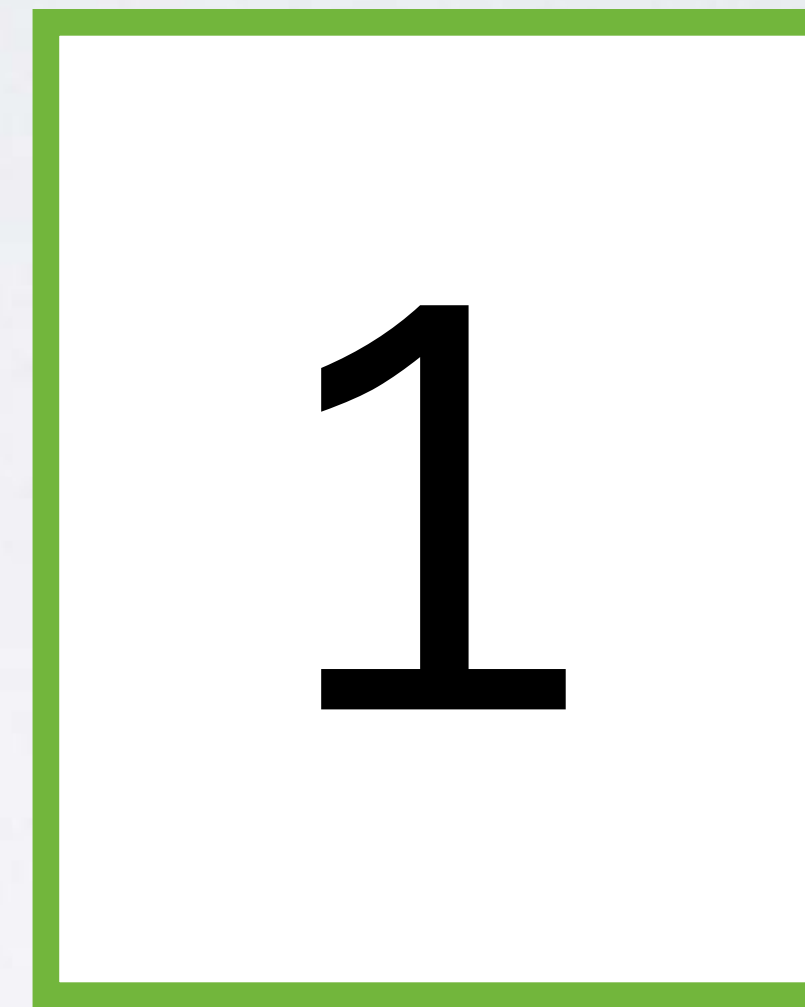
`.lk-list`



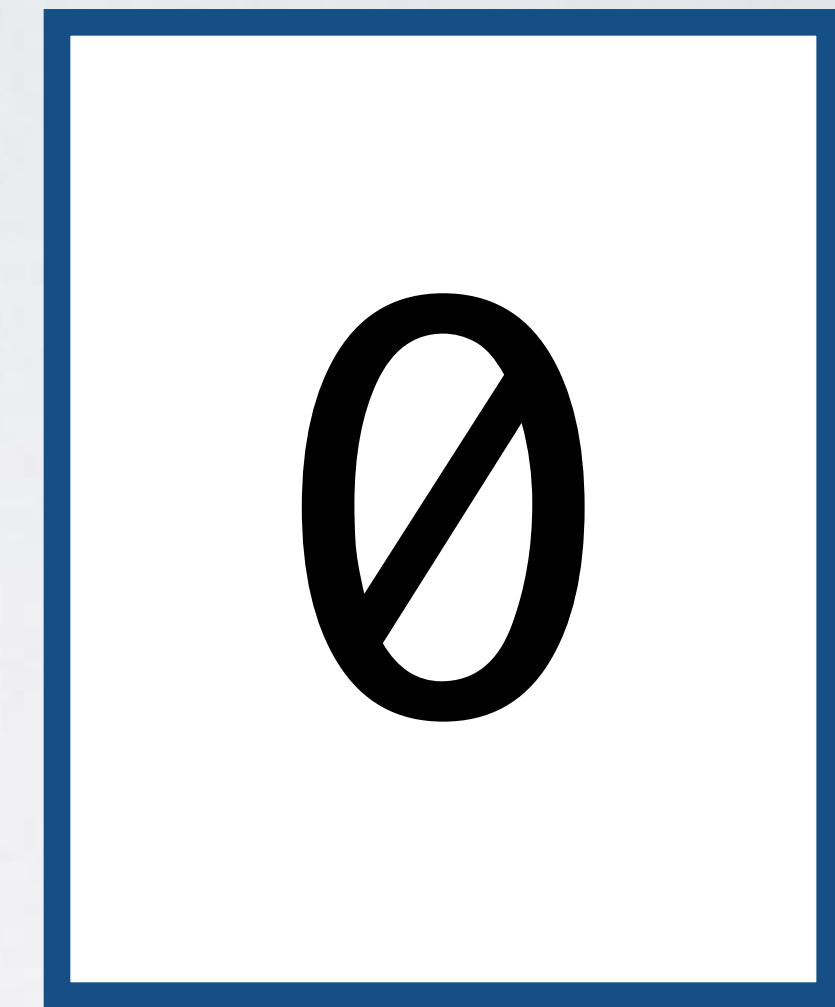
Inline
(style attribute)



ID



Class
Pseudo-class
Attribute

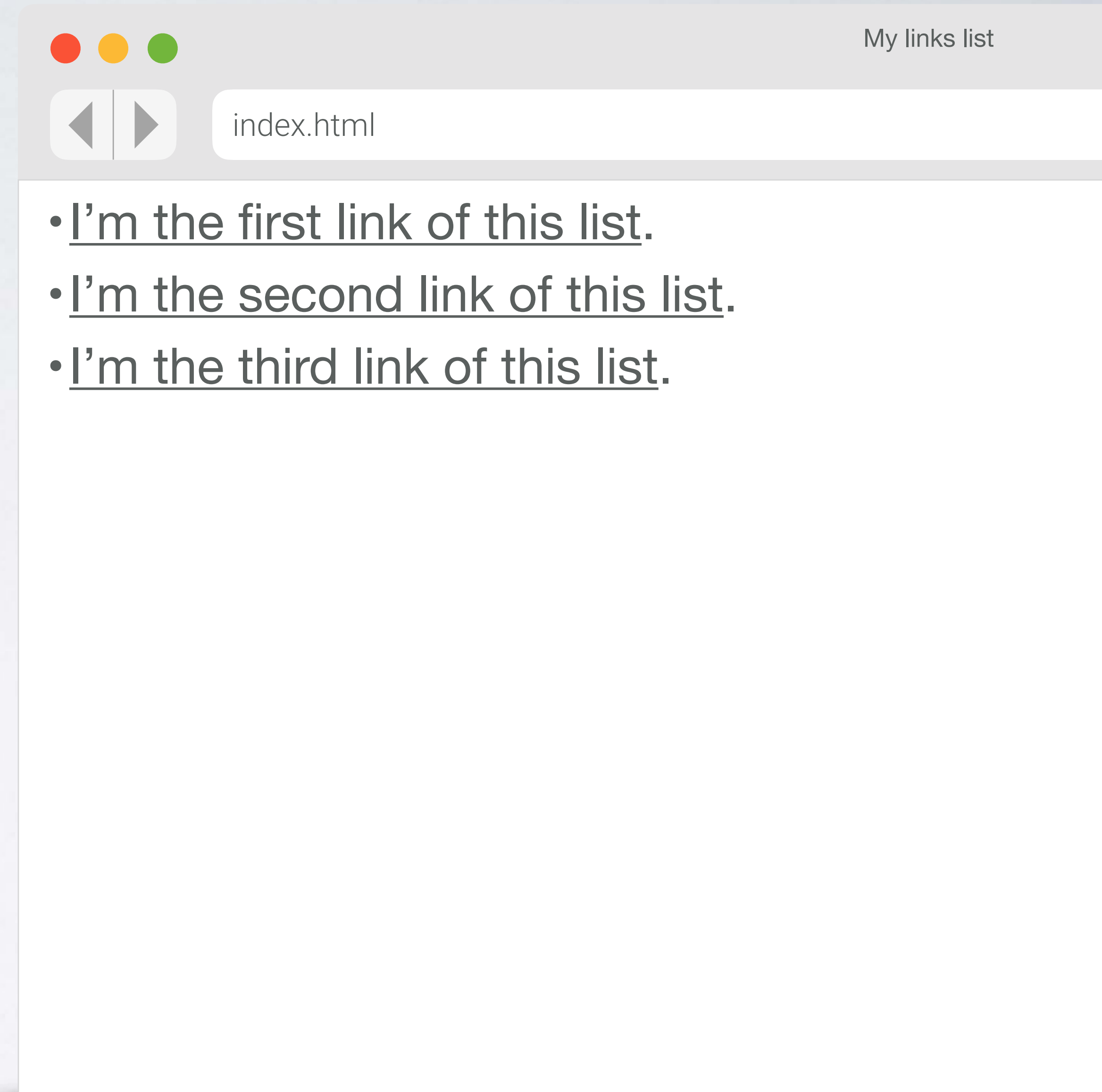


Element

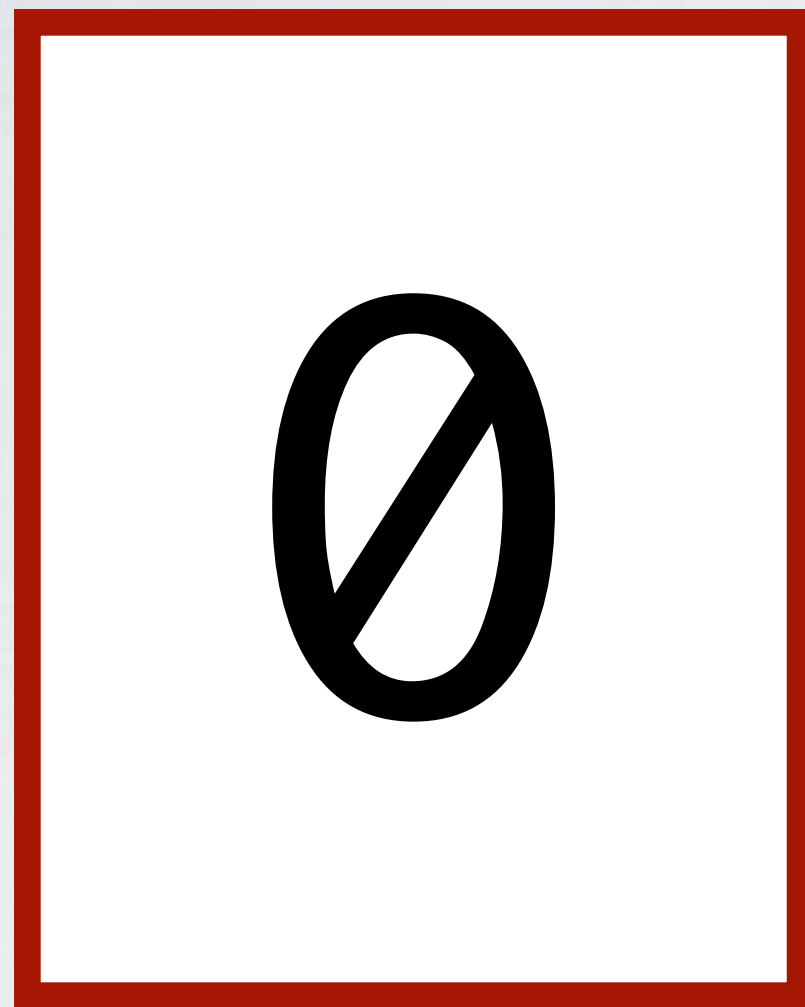
```
#lk-list
```

```
.lk-list
```

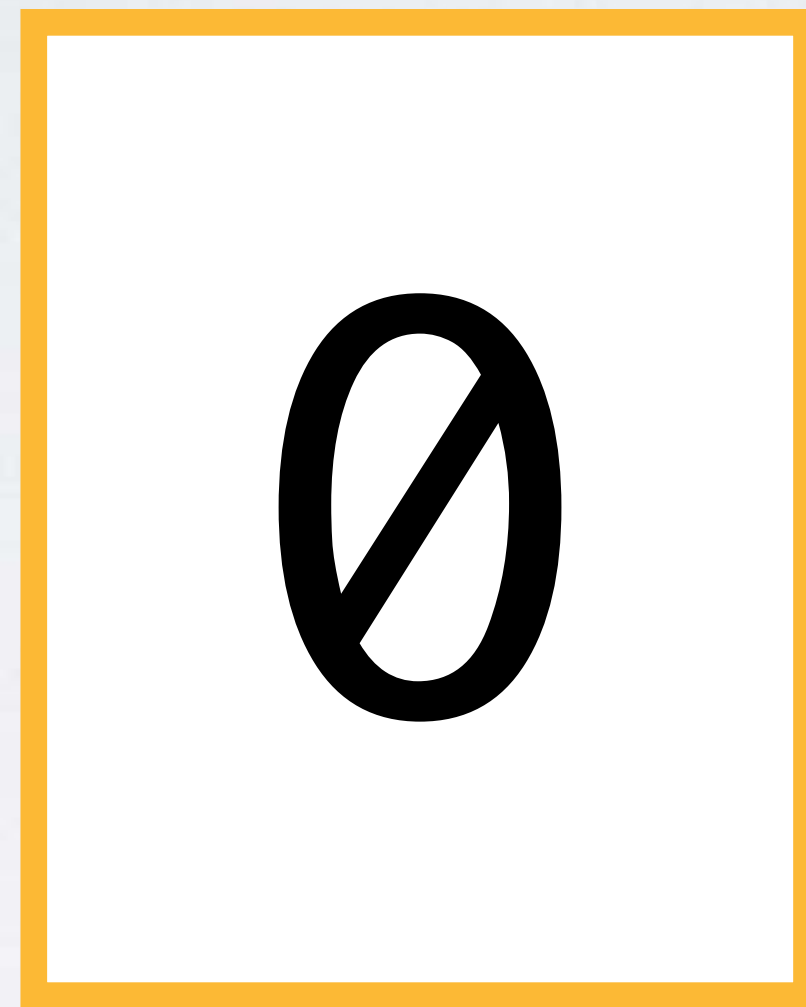
```
ul li a
```



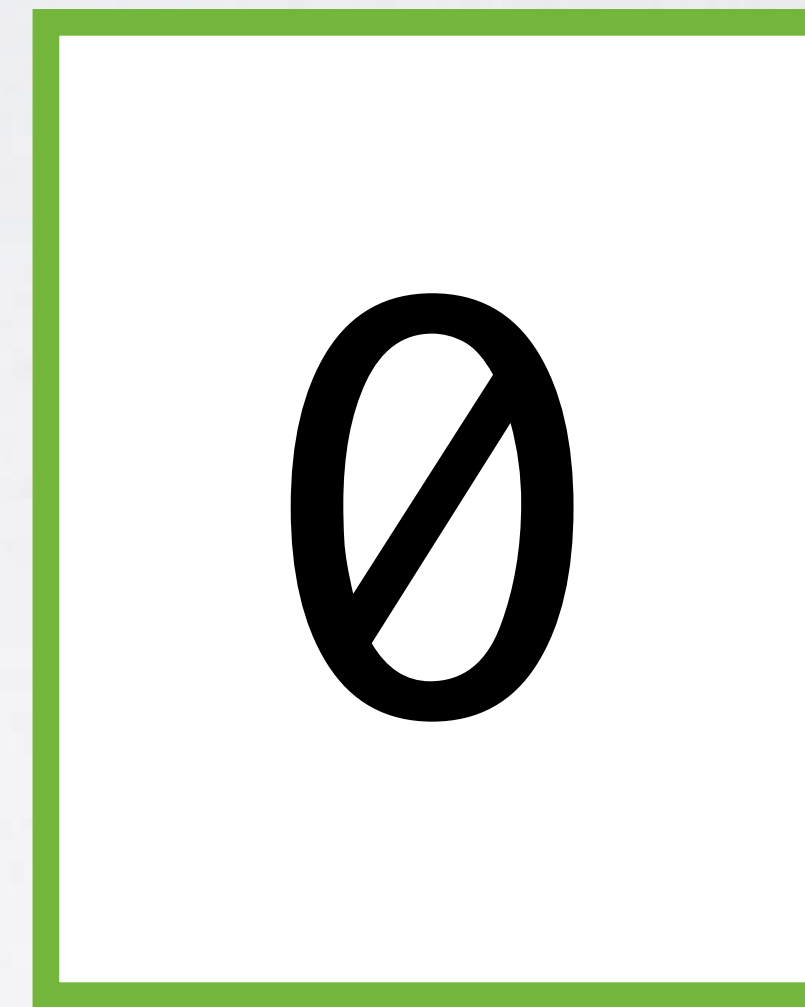
#lk-list



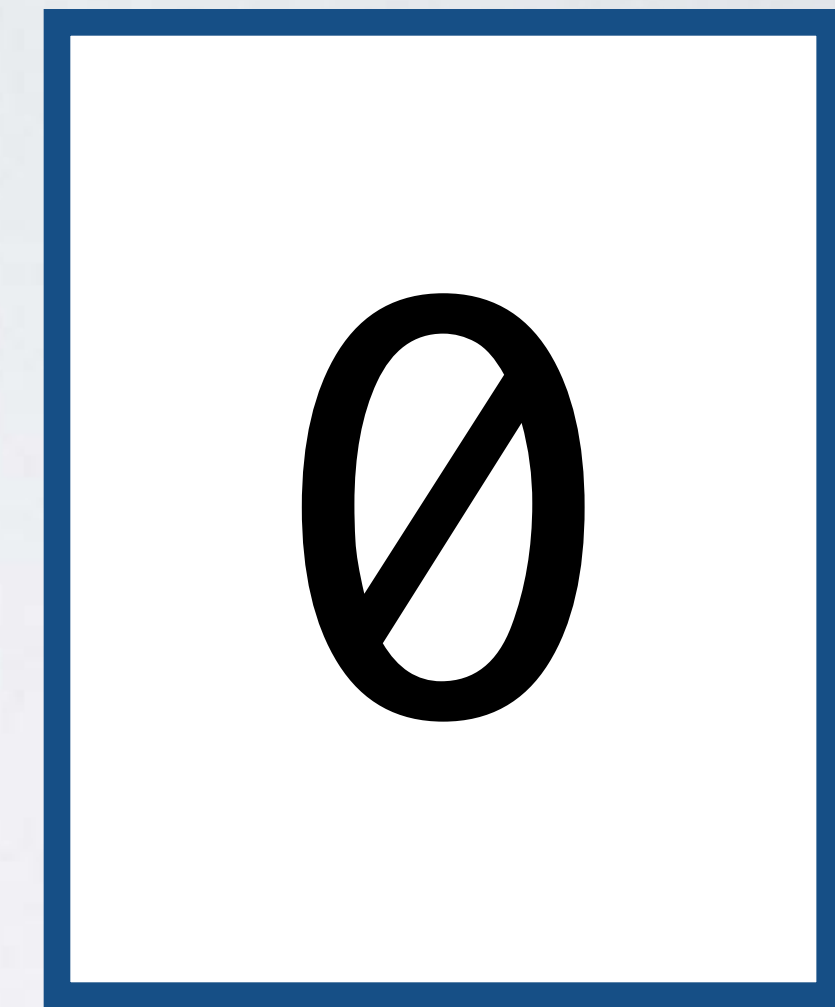
Inline
(style attribute)



ID



Class
Pseudo-class
Attribute



Element

#lk-list

0

Inline
(style attribute)

1

ID

0

Class
Pseudo-class
Attribute

0

Element

CAUTION

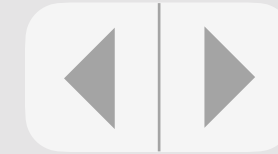
```
<a style="" ...
```

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

```
.lk-list
```

```
ul li a
```

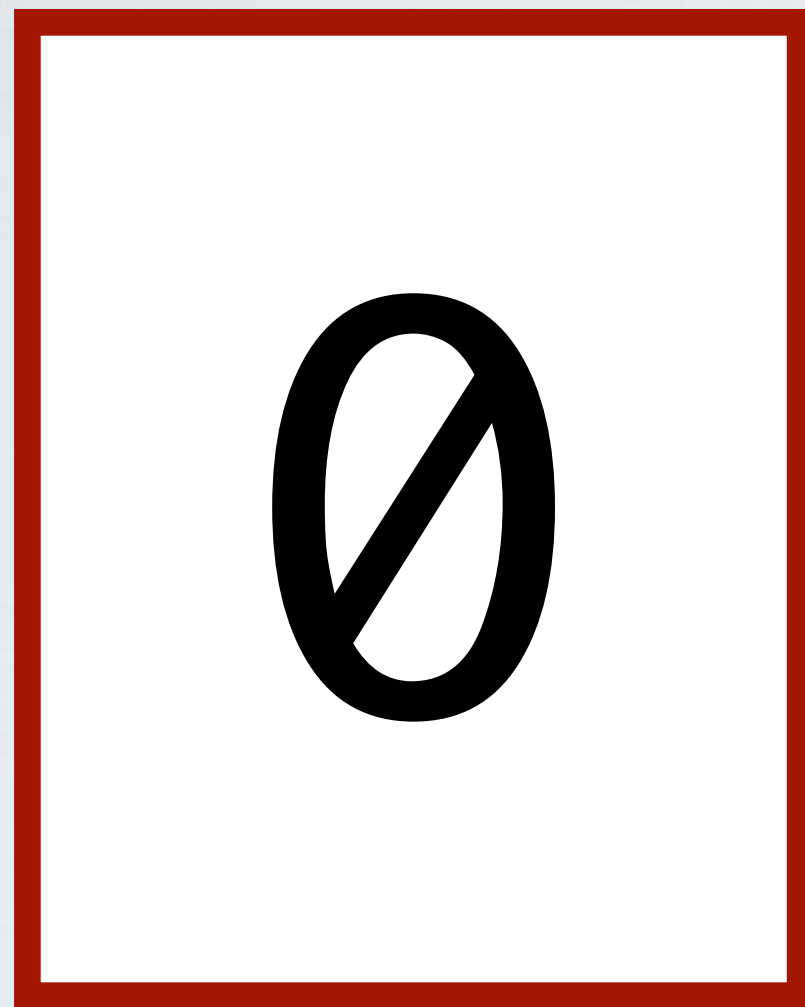
My links list



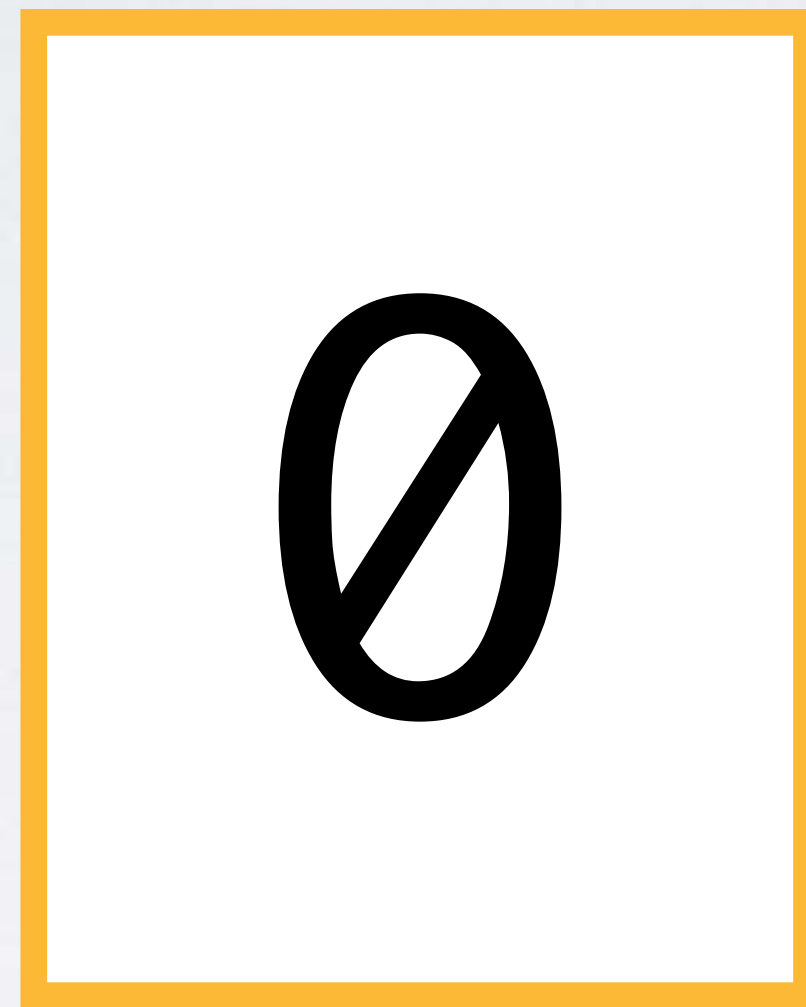
index.html

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

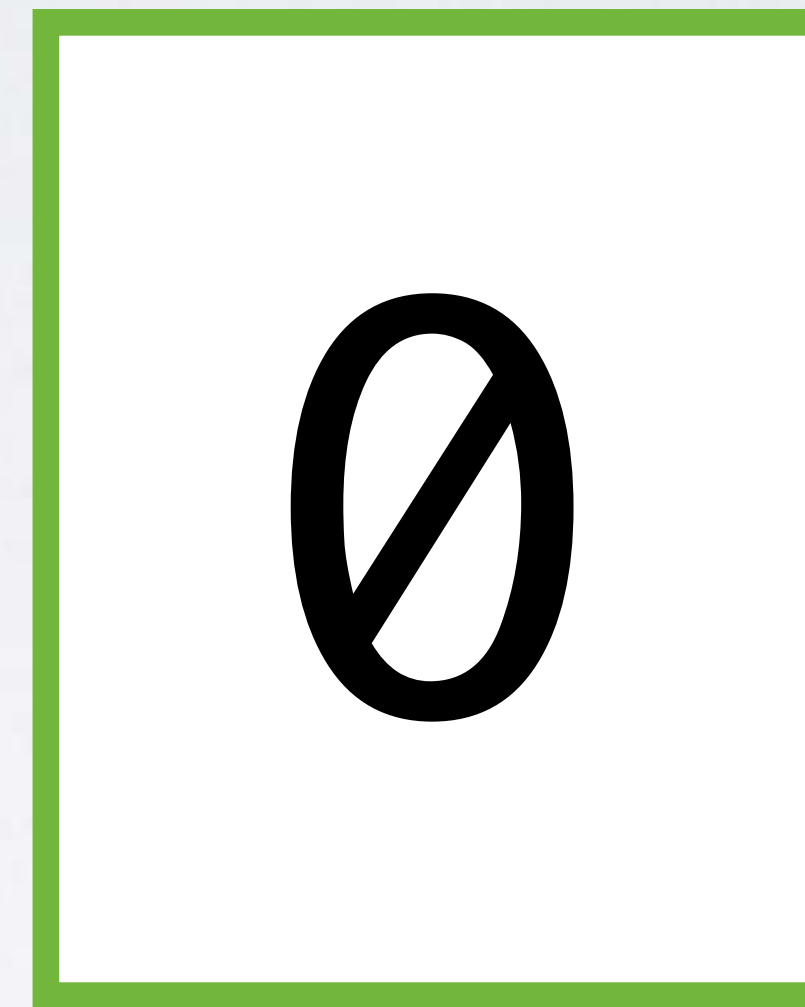
```
<a style="" ...
```



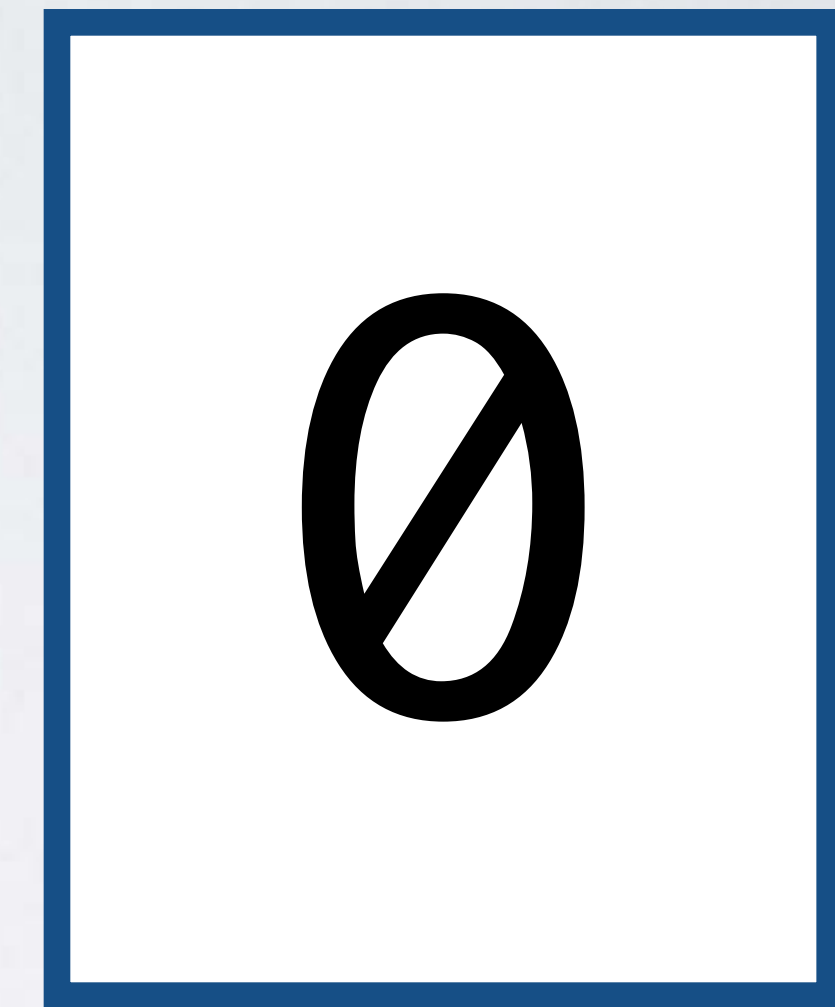
Inline
(style attribute)



ID



Class
Pseudo-class
Attribute



Element

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

1

Inline
(style attribute)

0

ID

0

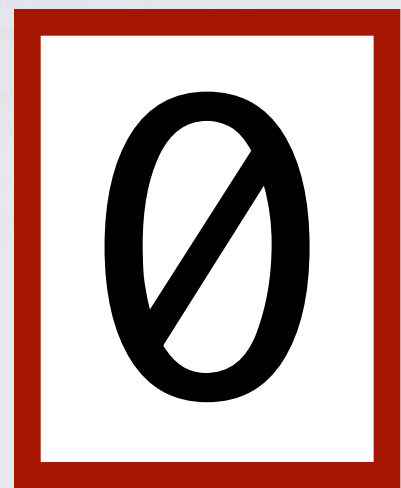
Class
Pseudo-class
Attribute

0

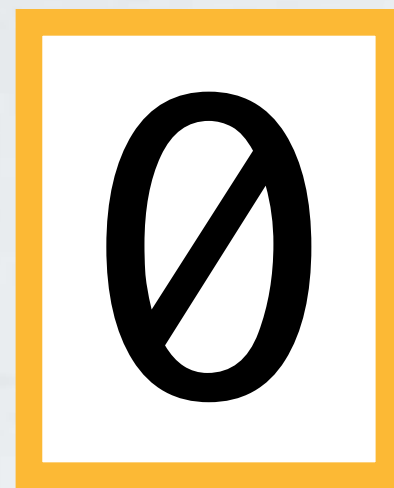
Element

LET'S PLAY!

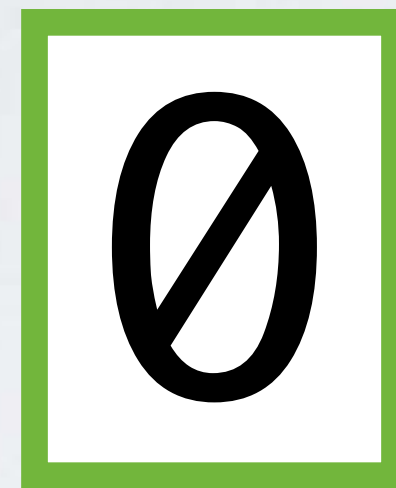
html body div div h2



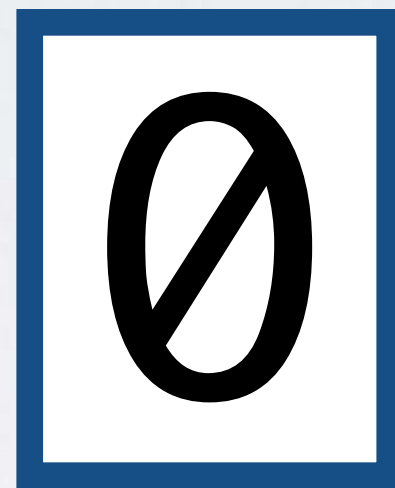
Inline



ID

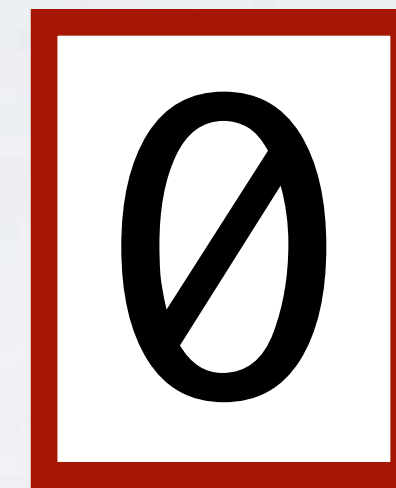


Class
Pseudo-class
Attribute

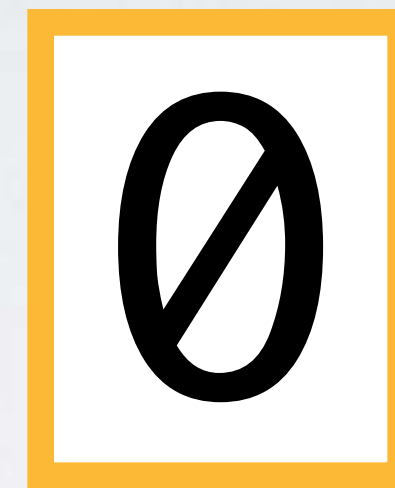


Element

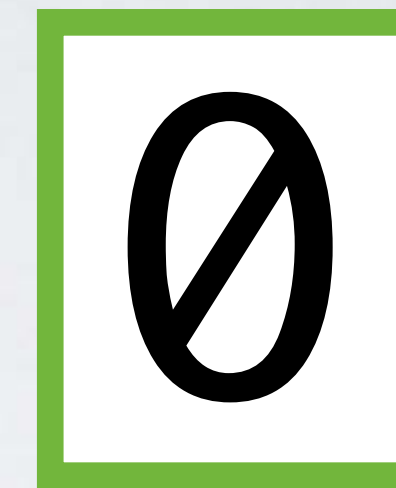
.header-important



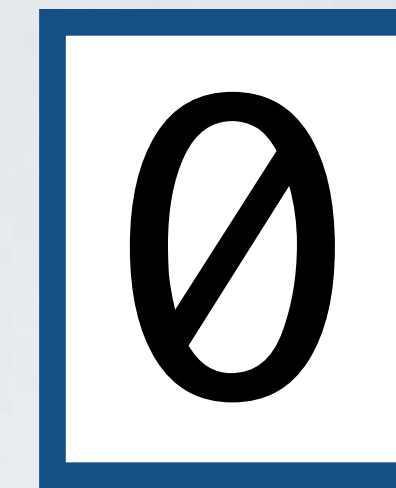
Inline



ID

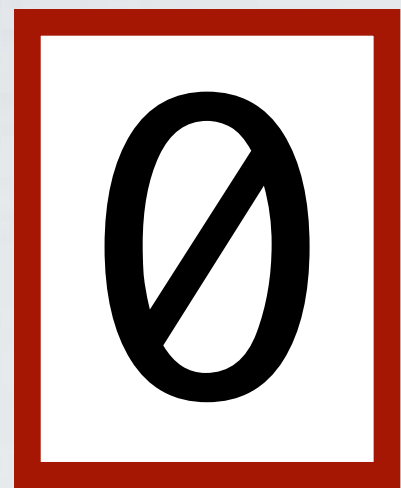


Class
Pseudo-class
Attribute

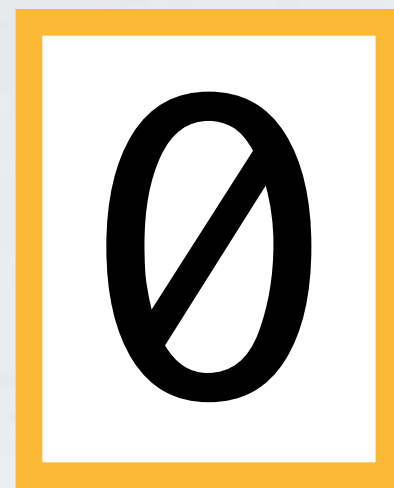


Element

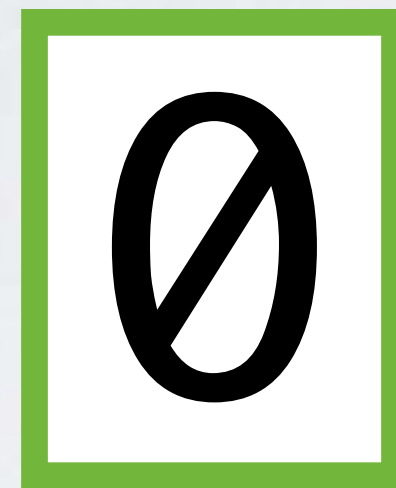
html body div div h2



Inline



ID

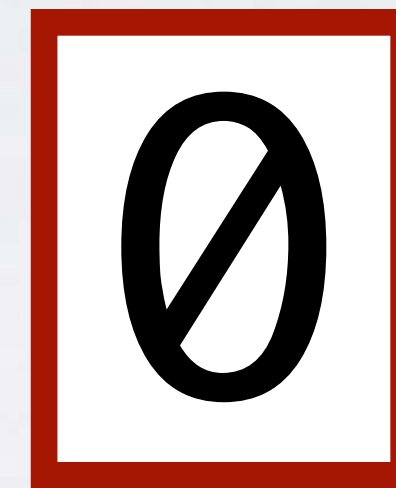


Class
Pseudo-class
Attribute

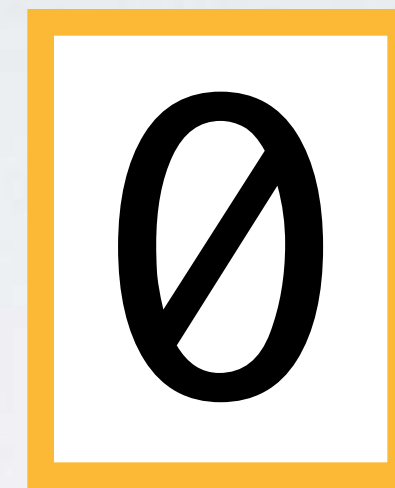


Element

.header-important



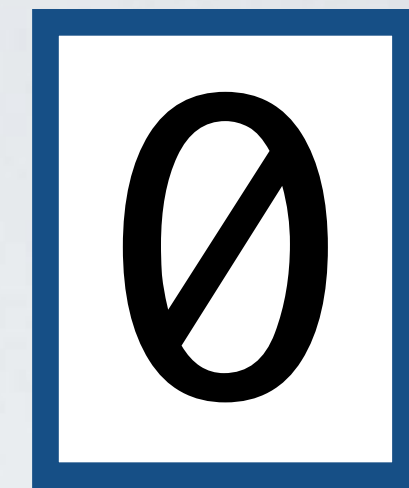
Inline



ID



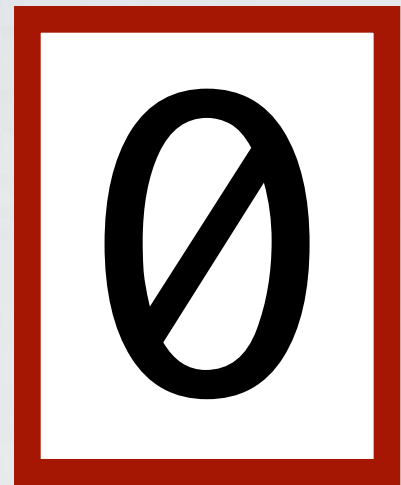
Class
Pseudo-class
Attribute



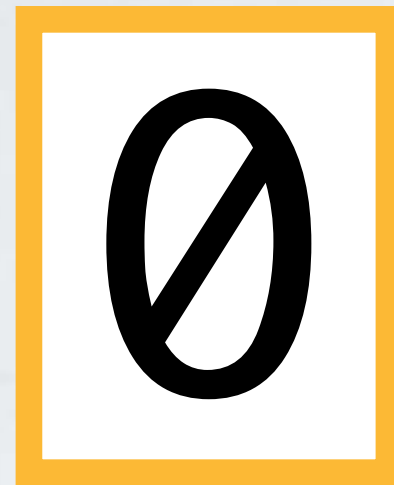
Element



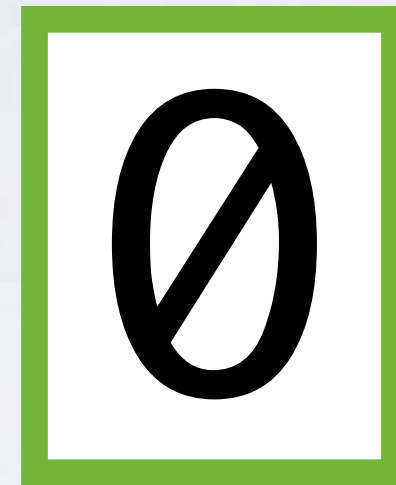
#info



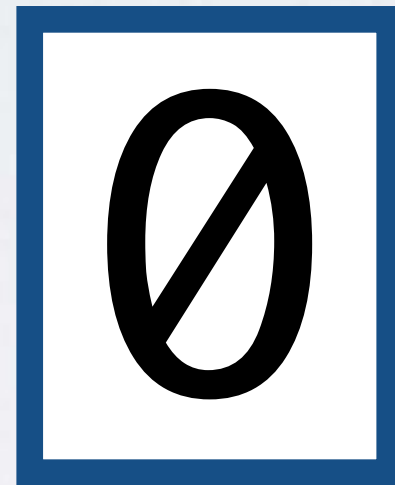
Inline



ID

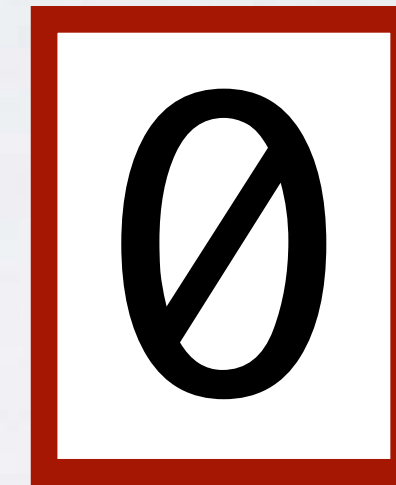


Class
Pseudo-class
Attribute

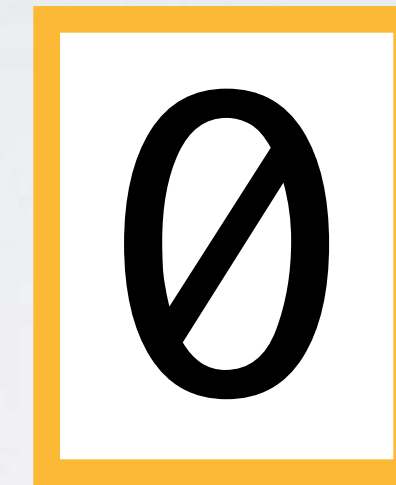


Element

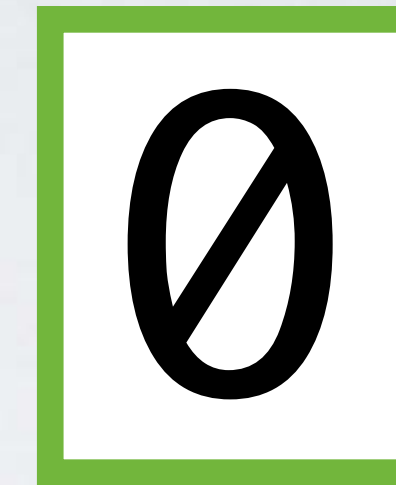
.box .info p



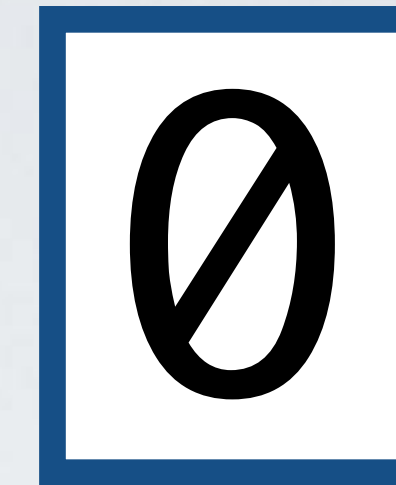
Inline



ID

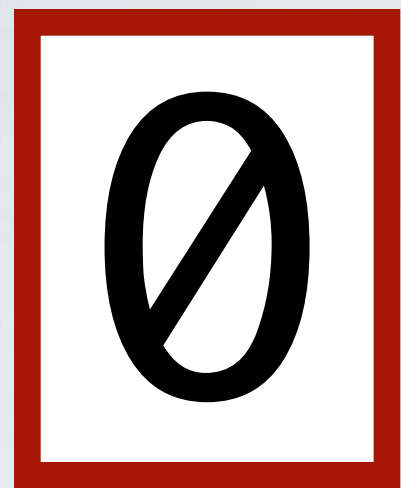


Class
Pseudo-class
Attribute



Element

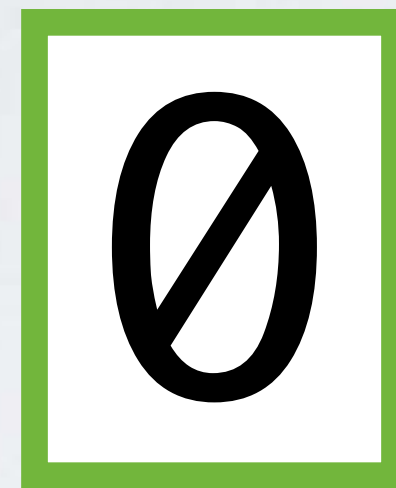
#info



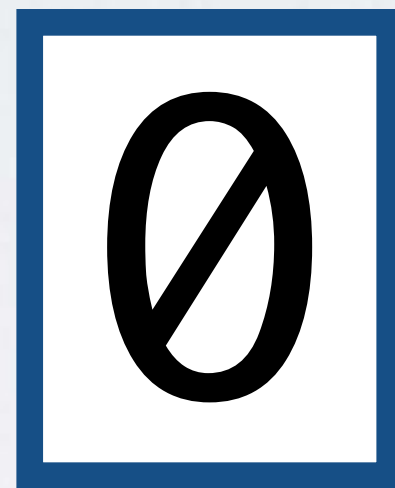
Inline



ID



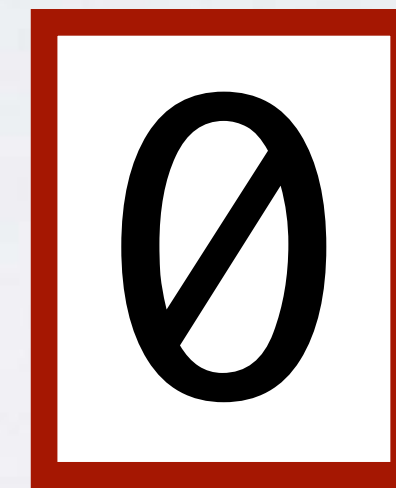
Class
Pseudo-class
Attribute



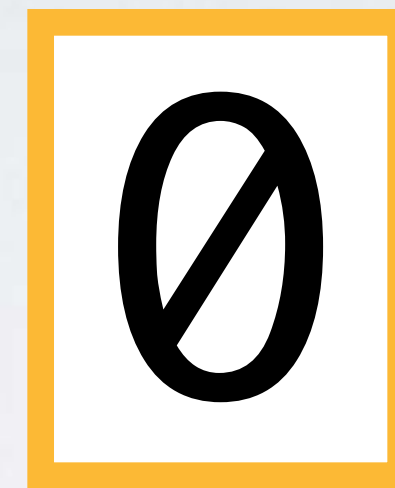
Element



.box .info p



Inline



ID

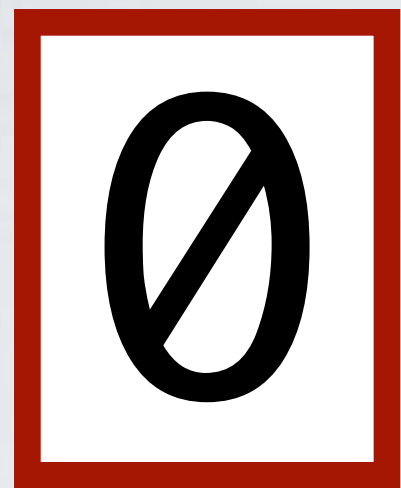


Class
Pseudo-class
Attribute

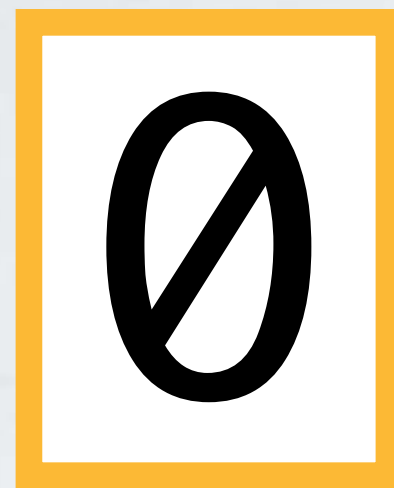


Element

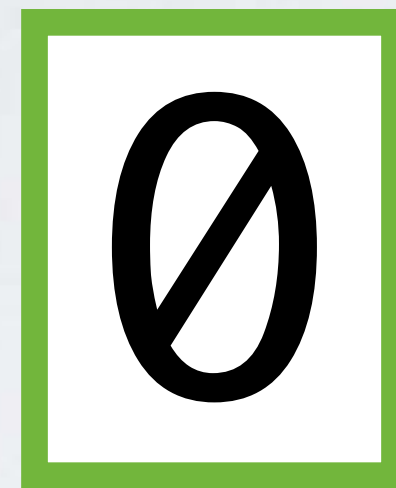
ul#nav li.active a



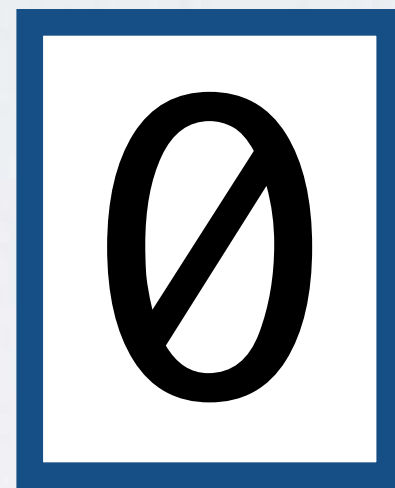
Inline



ID

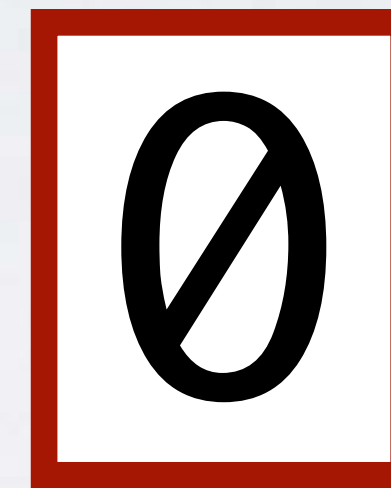


Class
Pseudo-class
Attribute

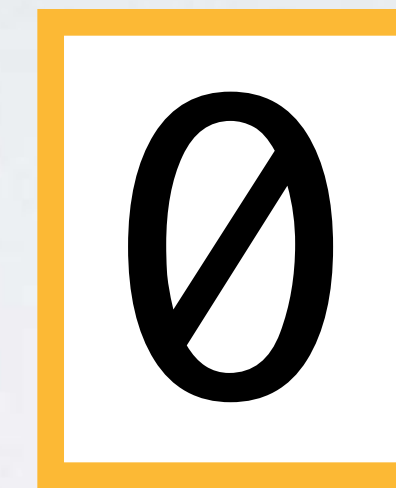


Element

#lk-special



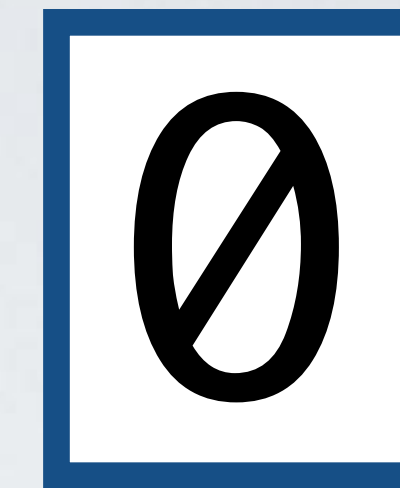
Inline



ID

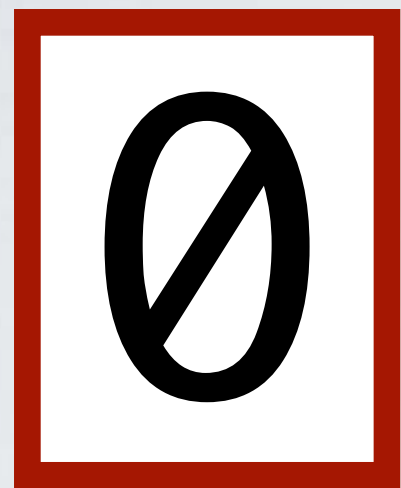


Class
Pseudo-class
Attribute



Element

ul#nav li.active a



Inline



ID



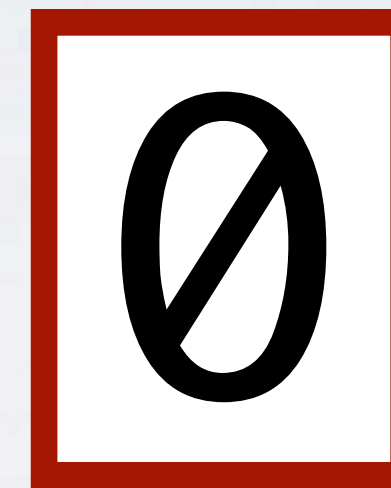
Class
Pseudo-class
Attribute



Element



#lk-special



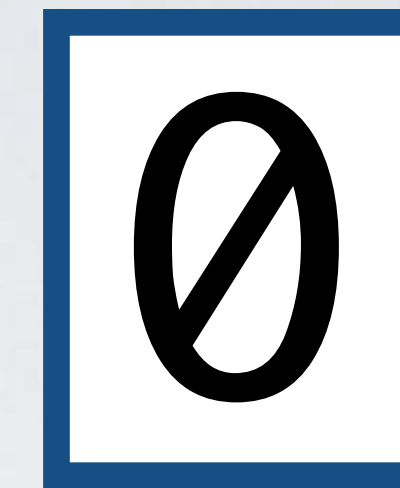
Inline



ID

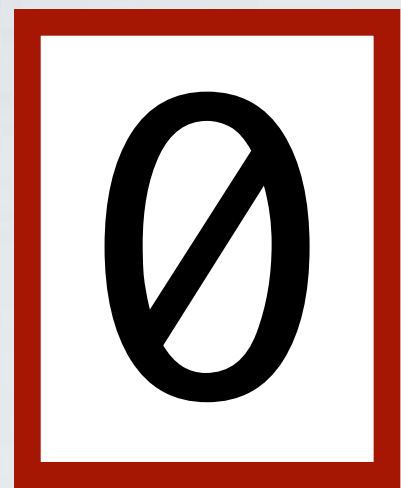


Class
Pseudo-class
Attribute

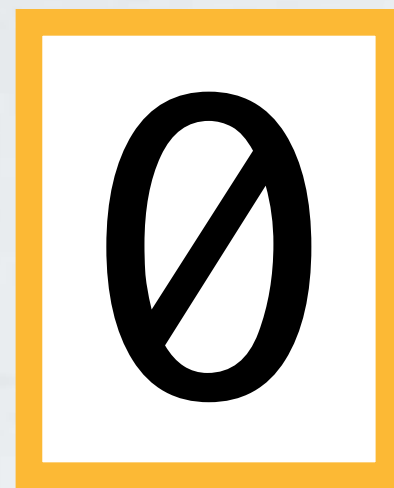


Element

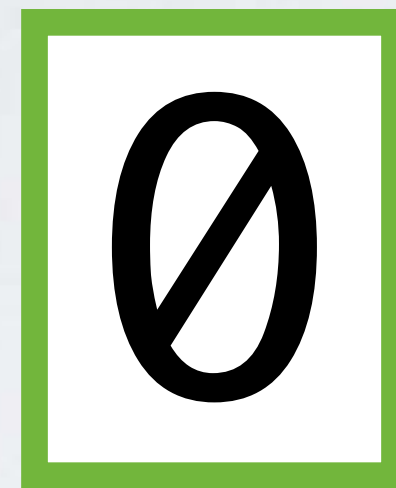
#box ul li a



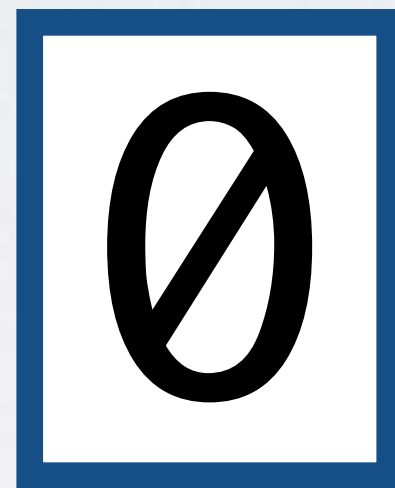
Inline



ID

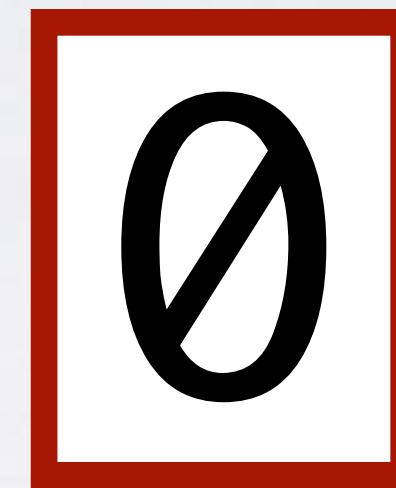


Class
Pseudo-class
Attribute

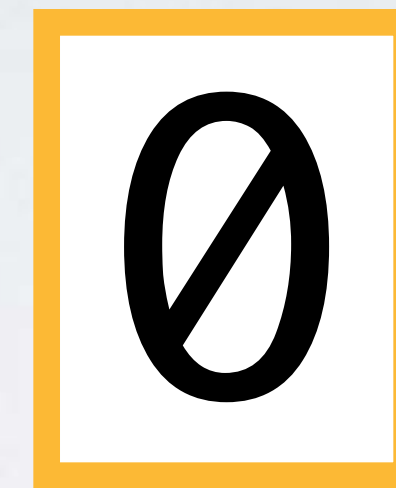


Element

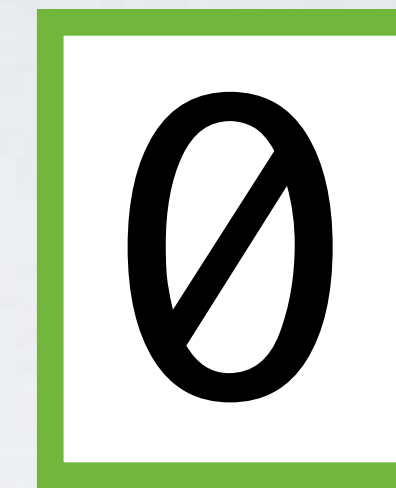
li a .lk-important



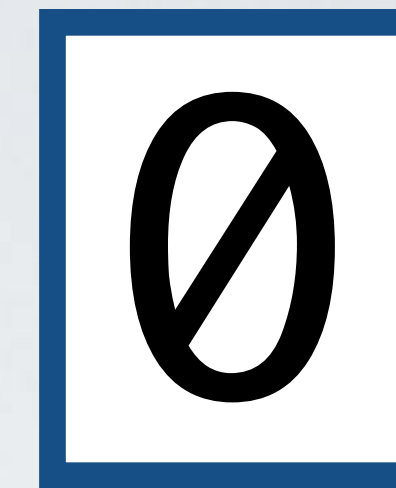
Inline



ID

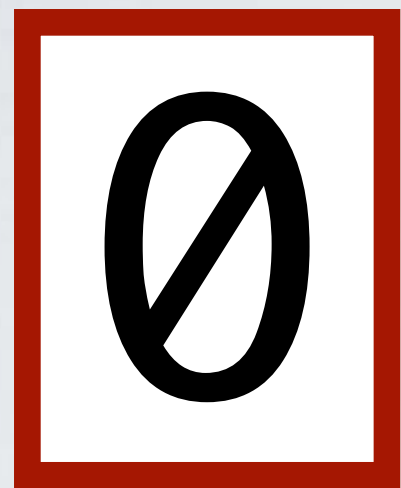


Class
Pseudo-class
Attribute



Element

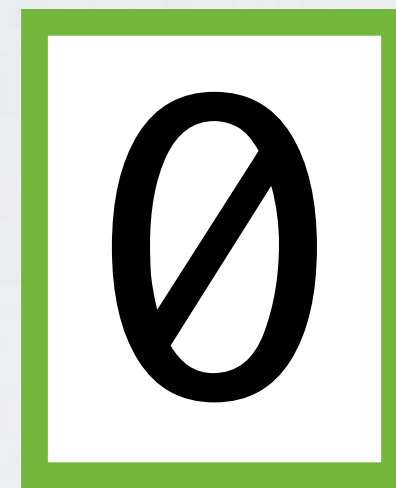
#box ul li a



Inline



ID



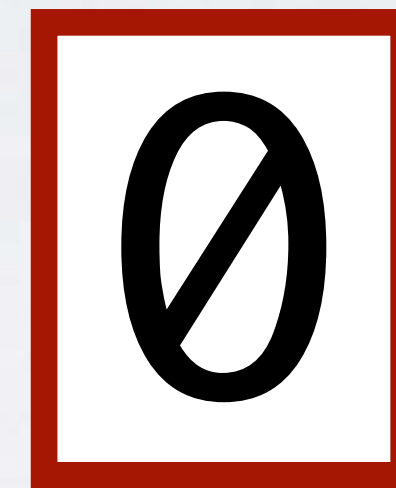
Class
Pseudo-class
Attribute



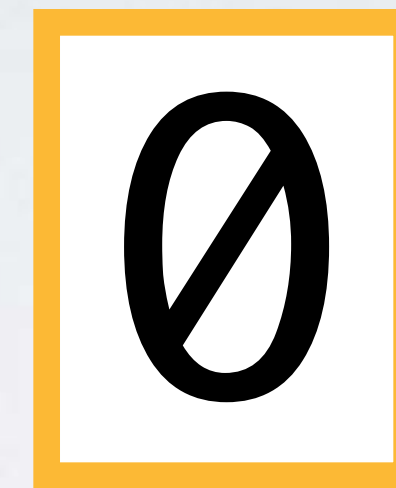
Element



li a .lk-important



Inline



ID



Class
Pseudo-class
Attribute



Element

SPECIFICITY WARS

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

TOOLS: SPECIFICITY CALCULATOR

Specificity Calculator

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

Sort by specificity

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

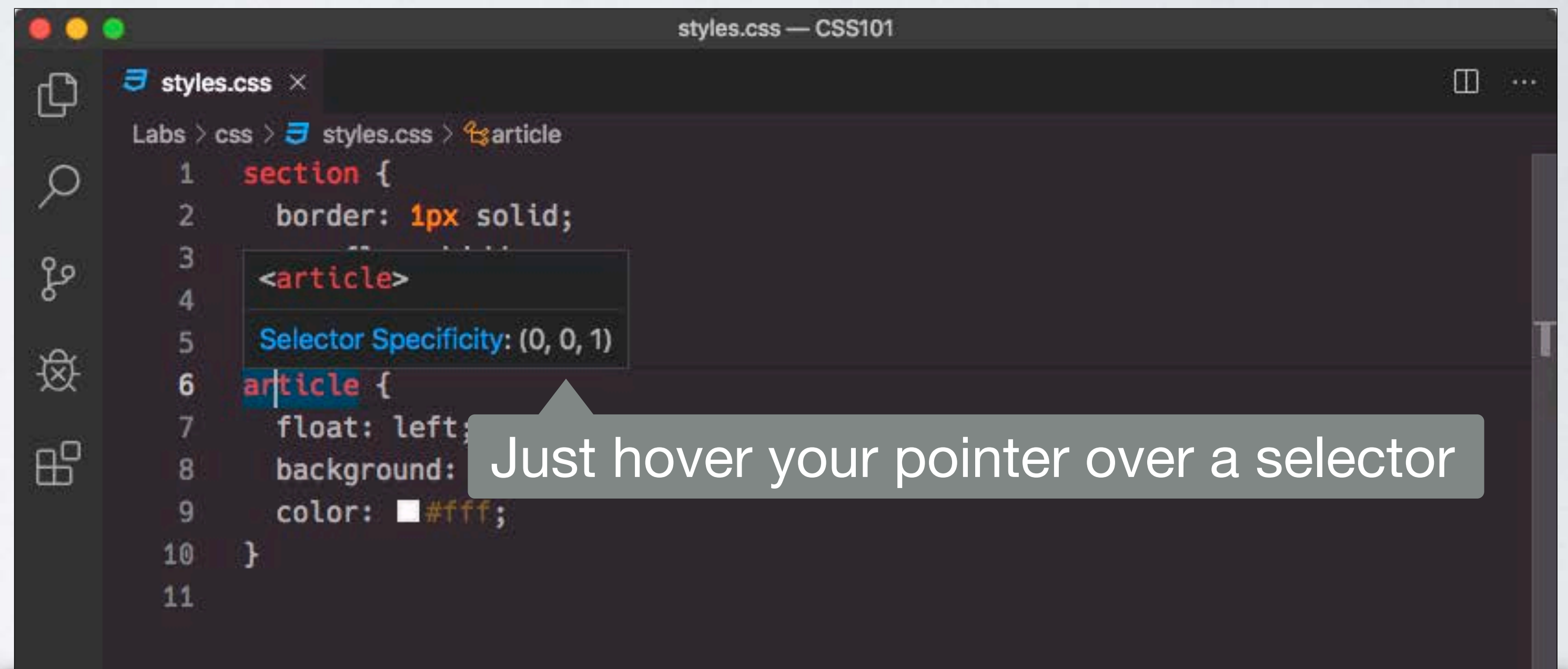
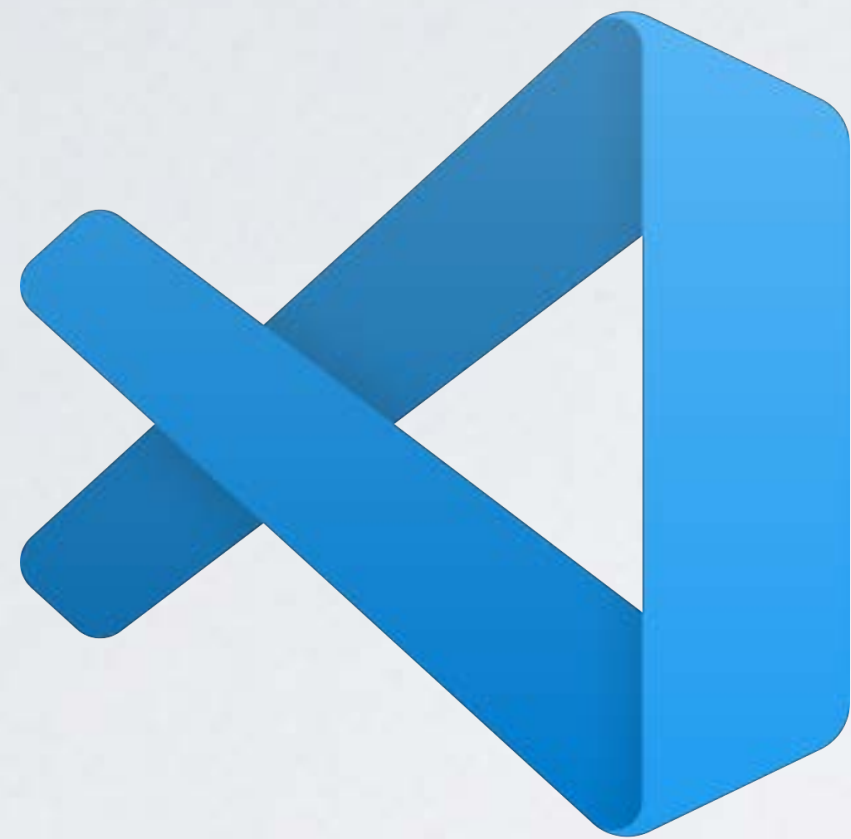
Classes, attributes and pseudo-classes

2

Elements and pseudo-elements

+ Duplicate

TOOLS: VISUAL STUDIO CODE



CASCADE



SPECIFICITY



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