

Project 195

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DP
EDUCATION

**Coding
School**

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <link rel="stylesheet"
8     href="imageOpacity.css">
9   <title>Document</title>
10 </head>
11 <body>
12   <div class="demo-wrap">
13     
18     <div class="text">
19       <h1>Hello World!</h1>
20     </div>
```

html
Glitch



See the webpage



Start here

How to style an element in CSS

Pseudo-class Selectors

First-Child

- ❖ Among the elements in any element, the first element is the first-child element.

```
<body>
<article>
  <h2>
    Heading
  </h2>
  <p>
    Cascading Style Sheets is a style sheet language used for specifying the presentation and styling of a document
    written in a markup language such as HTML or XML.
  </p>
  <p>
    CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.
  </p>
</article>
</body>
```

The first element in the article element is the h2 element. That element is the first child.

- ❖ Let's style that element using first-child.

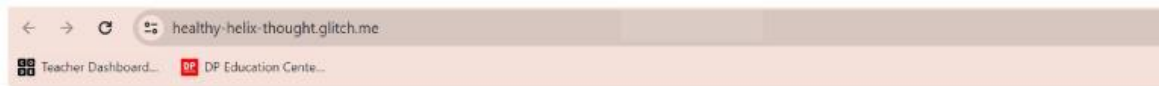
style.css

 PRETTIER

```
1 body{
2   margin: 10px;
3 }
4
5
6 article :first-child{
7   font-size: 140%;
8   font-style: italic;
9 }
```

Here the h2 element is the first element in the article element.

Therefore, if you type as article and place : after a space and give it as first-child, you can easily style it.



Heading

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- ❖ Even if the `<h2>` tag is removed and the `<p>` tag is used, the style remains the same. Because then the first-child is the `<p>` tag.

First-Of-Type

- ❖ Let's style that element using first-of-type.



Here, the style has been applied to the `<h2>` tag and the first `<p>` tag in the article element.

First-of-type applies the style to the first tag of the tags in the element.

- ❖ If we now want to style only the first paragraph, it will be done as follows.



Apply the tag to be styled.

Last-child

- ❖ What happens here is that the element is applied to the last tag in the element.



Nth – child

- ❖ Let's code the Index.html page below.

```
12- <article>
13-   <h2>
14-     Heading
15-   </h2>
16-   <p>
17-     Cascading Style Sheets is a style sheet language used for specifying the presentation and styling of a document
18-     written in a markup language such as HTML or XML.
19-   </p>
20-   <p>
21-     CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.
22-   </p>
23-   <ul>
24-     <li>Item 1</li>
25-     <li>Item 2</li>
26-     <li>Item 3</li>
27-     <li>Item 4</li>
28-     <li>Item 5</li>
29-   </ul>
30- </article>
```

- ❖ Now let's see how to style items ending in odd numbers.

```
style.css
1- body{
2-   margin: 10px;
3- }
4-
5-
6- article p:last-of-type{
7-   font-size: 140%;
8-   font-style: italic;
9-   color: blue;
10- }
11-
12- ul li:nth-child(odd){
13-   color: deeppink;
14- }
15-
```

When Nth-child(odd) is given, the style is applied to the list whose item number is odd.

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❖ To style items ending in even numbers, nth-child(even) must be given.

First-Letter

❖ Let's see how to style the first letter of a paragraph.

```
p::first-letter {  
  font-size: 140%;  
  font-weight: bold;  
}
```

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First-Line

- ❖ Let's see how to style the first line of a paragraph.

```
style.css
PRETTIER
4
5
6 article p:last-of-type{
7   font-size: 140%;
8   font-style: italic;
9   color: blue;
10 }
11
12 ul li:nth-child(odd){
13   color: deeppink;
14 }
15
16 p::first-letter {
17   font-size: 140%;
18   font-weight: bold;
19 }
20
21 p::first-line {
22   font-weight: bold;
23 }
24
```

healthy-helix-thought.glitch.me/

Heading

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Here the style is done for the first line of the paragraph.

- ❖ When a text is selected on a web page, the background color is blue by default.

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- ❖ Let's change that color below.

```
24 ~ ::selection{
25   background-color: pink;|
26 }
27
```

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Selector Specificity (Weight)

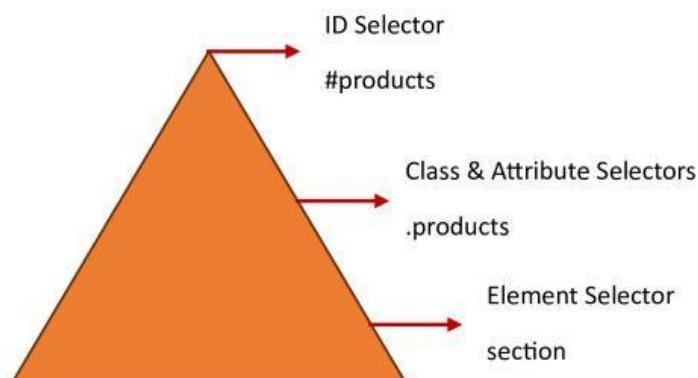
- ❖ Let's prepare the index.html page as follows.

```
<body>
  <article>
    <h1 class="highlight">
      Heading
    </h1>
```

- ❖ Now adjust the style as below.

```
28 ~ h1{
29   color:dodgerblue;
30 }
31 ~ .highlight{
32   color:deeppink;
33 }
```

- ❖ Both the above styles are intended for the h1 element. Let's see which style is used for h1.
- ❖ In this case the effect of Selector Specificity is done.
- ❖ If more than one rule affects the same element, the browser will apply the heaviest rule.
- ❖ Consider the following triangle. (Selector Specificity Triangle)



- ❖ According to the above triangle, the first thing that affects an element is the ID. Because the id is used only for one element.
- ❖ Second is the class or attribute selector.

- ❖ Finally is the element selector.
- ❖ Accordingly, according to the style done above, the style done for the class is applied for h1.

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