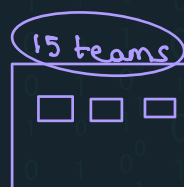


Agenda:

- Pseudo Class Selector : `[:]`
 - `first-child()` , `last-child()` , `nth-child()` , `nth-last-child()` , `first-of-type()` , `not()` , `empty` , `link` , `visited` , `hover` , `active` , etc..
- Pseudo Element Selector: `[::]`
 - `first-line` , `first-letter` , `before` , `after` , `marker` , `selection`.
- Important Selection.
- Units :
 1. Absolute :
 - `px` , `cm` , `inch` , `pt` , `mm` , etc.
 2. Relative :
 - `em` , `rem` , `%` , `vh` [viewport height] , `vw` [viewport width].
- Color Property :
 - #HexaDecimal Code.
 - RGB [Red , Green , Blue] , RGBA [Red , Green , Blue , Alpha].
 - HSL [Hue , Saturation , lightness]. , HSLA.
- CSS Background :
 - Bg Color , Bg Image , Bg Repeat , Bg Attachment , Bg Size , Bg Clip , Bg Origin , Bg Position , Transparency , Opacity.



CSS : Pseudo Class Selector ?

- Syntax :

```
element : pseudo-class{
    // css styling.
}
```

```
button:hover{
    background-color: red;
    color: white;
}
```

Types of Pseudo Class:

- Structural Pseudo Class :
 - first-child , last-child.
 - first-of-type .
 - nth child , nth-last-child.

Structural Pseudo Class :

- First-child , last-child

```
<div>
  <p>This is my first paragraph</p>
  <p>This is my second paragraph</p>
  <p>This is my third paragraph</p>
</div>
```

```
div p:first-child{
  color: red;
}
div p:last-child{
  color: blue;
}
```

This is my first paragraph

This is my second paragraph

This is my third paragraph

- First-of-type / last-of-type :

```
<h2>Section one</h2>
<div>
  <p>This is my first paragraph</p>
  <p>This is my second paragraph</p>
  <p>This is my third paragraph</p>
</div>
<h2>Section two</h2>
<div>
  <p>This is my first paragraph</p>
  <p>This is my second paragraph</p>
  <p>This is my third paragraph</p>
</div>
```

```
p:first-of-type{
  color: green;
}
p:last-of-type{
  color: red;
}
```

Section one

This is my first paragraph

This is my second paragraph

This is my third paragraph

Section two

This is my first paragraph

This is my second paragraph

This is my third paragraph

: not() pseudo class.

```
p:not(.paragraph){
  color: blue;
}
```

```
<h2>Section one</h2>
<div>
  <p class="paragraph">This is my first
  paragraph</p>
  <p>This is my second paragraph</p>
  <p>This is my third paragraph</p>
</div>
<h2>Section two</h2>
<div>
  <p>This is my first paragraph</p>
  <p>This is my second paragraph</p>
  <p>This is my third paragraph</p>
</div>
```

Section one

This is my first paragraph

This is my second paragraph

This is my third paragraph

Section two

This is my first paragraph

This is my second paragraph

This is my third paragraph

nth-child / nth-last-child :

```
li:nth-child(odd){
  border-bottom: 3px solid red;
}
li:nth-last-child(2n){
  color: purple;
}
li:nth-child(2n+2){
  background-color: aqua;
}
```

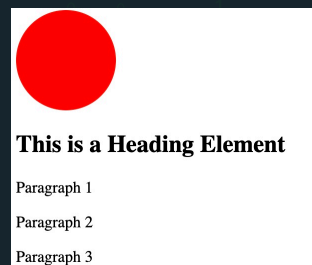
```
<h2>List Items</h2>
<ul>
  <li>list-1</li>
  <li>list-2</li>
  <li>list-3</li>
  <li>list-4</li>
  <li>list-5</li>
  <li>list-6</li>
  <li>list-7</li>
  <li>list-8</li>
  <li>list-9</li>
  <li>list-10</li>
  <li>list-11</li>
  <li>list-12</li>
  <li>list-13</li>
  <li>list-14</li>
  <li>list-15</li>
  <li>list-16</li>
  <li>list-17</li>
  <li>list-18</li>
</ul>
```



empty :

```
<!-- empty pseudo class -->
<div></div>
<div>
  <h2>This is a Heading Element</h2>
  <p>Paragraph 1</p>
  <p>Paragraph 2</p>
  <p>Paragraph 3</p>
</div>
```

```
div:empty{
  width: 100px;
  height: 100px;
  border-radius: 50%;
  background-color: red;
}
```



Link - Pseudo Class

- :link , :visited , :focus , :active , :hover

```

a:link{
  text-decoration: none;
  color: green;
  font-weight: bold;
  background-color: aqua;
}
a:visited{
  color: red;
}
a:focus{
  background-color: beige;
}
a:hover{
  border-bottom: 2px solid green;
}
a:active{
  border: 2px solid pink;
}

```

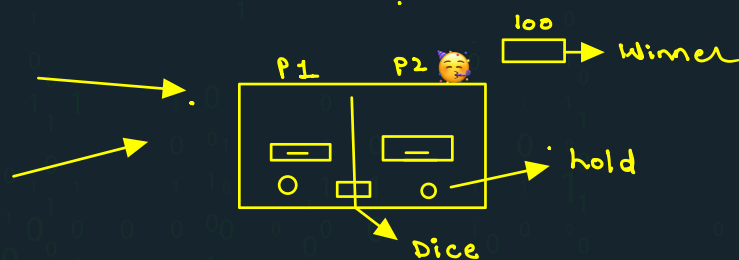
```

<p>Visit my Website : <a
href="#geekster">Geekster</a></p>

```

Pseudo Elements Selector: {::}

- first-letter
- first-line
- before
- after
- marker
- selection 🎉



First-line / First-letter

```
<p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui aut reprehenderit, eligendi voluptatum fugiat consequatur. Eius fugit placeat impedit veritatis! Assumenda at explicabo eius, sequi in nulla? </p>
<p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Error sequi placeat provident, quisquam, harum voluptates dolores facilis reprehenderit culpa ad quis, quo iure voluptatem illum. Ad asperiores voluptatem veniam tempora.</p>
```

```
p::first-line{
  color: green;
}
p::first-letter{
  font-size: 50px;
  color: aqua;
}
```

Lorem ipsum dolor sit, amet consectetur adipisicing elit. Qui aut reprehenderit, eligendi voluptatum fugiat consequatur. Eius fugit placeat impedit veritatis! Assumenda at explicabo eius, sequi in nulla?

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Error sequi placeat provident, quisquam, harum voluptates dolores facilis reprehenderit culpa ad quis, quo iure voluptatem illum. Ad asperiores voluptatem veniam tempora.

Before / After

```
<h2>Geekster</h2>
```

```
h2::before{
  content: "Welcome To ";
  color: red;
}
h2::after{
  content: " Platform 100";
  color: red;
}
```

before after

Welcome To Geekster Platform 100

::marker

```
<ul>
  <li>Item-1</li>
  <li>Item-2</li>
  <li>Item-3</li>
  <li>Item-4</li>
</ul>
```

```
li::marker{
  color: lawngreen;
}
```

- Item-1
- Item-2
- Item-3
- Item-4

:: selection :

```
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Fugit dolorum amet architecto iste minus repudiandae repellat sint! Modi ullam quae porro corporis vel vero explicabo aliquam natus. Magni, veniam perspiciatis.</p>
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Fugit dolorum amet architecto iste minus repudiandae repellat sint! Modi ullam quae porro corporis vel vero explicabo aliquam natus. Magni, veniam perspiciatis.

```
p::selection{
  background-color: aquamarine;
}
```

CSS : !important

- Priority Level : Highest to Lowest :

- Important.
- Inline
- Id Selector
- class & attribute Selector
- Pseudo-class Selector
- type Selector
- universal Selector
- Inheritance Style , Elements

```
<h2>Heading Element</h2>
<p id="unique">Lorem ipsum dolor sit amet consectetur adipisicing elit. </p>
<p class="paragraph">Lorem ipsum, dolor sit amet consectetur adipisicing elit. Perspiciatis, accusamus. </p>
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Enim, omnis.</p>
```

```
.paragraph{
  color: green;
}
#unique{
  color: red;
}
p{
  color: skyblue !important;
}
```


Heading Element


Lorem ipsum dolor sit amet consectetur adipisicing elit.

Lorem ipsum, dolor sit amet consectetur adipisicing elit. Perspiciatis, accusamus.

Lorem ipsum dolor sit amet consectetur adipisicing elit. Enim, omnis.

Color Property :

1. **Color** : <Name of the color> [red , green , blue , pink, orange , purple , black , white , grey , lawn green , magenta]

```
h2{
  color:  aqua;
}
```



2. Hex Color :

 #d25454

green
red blue

$$\frac{0-9}{10} \quad \frac{A-f}{6} = 16$$


256 256 256

16 16 16 16 16 16

red green blue

3. RGB(Red , Green , Blue)

```
h2{
  color:  rgb(162, 104, 132)
}
```

0-255
256

Heading Element