

# Front End Technologies CSS

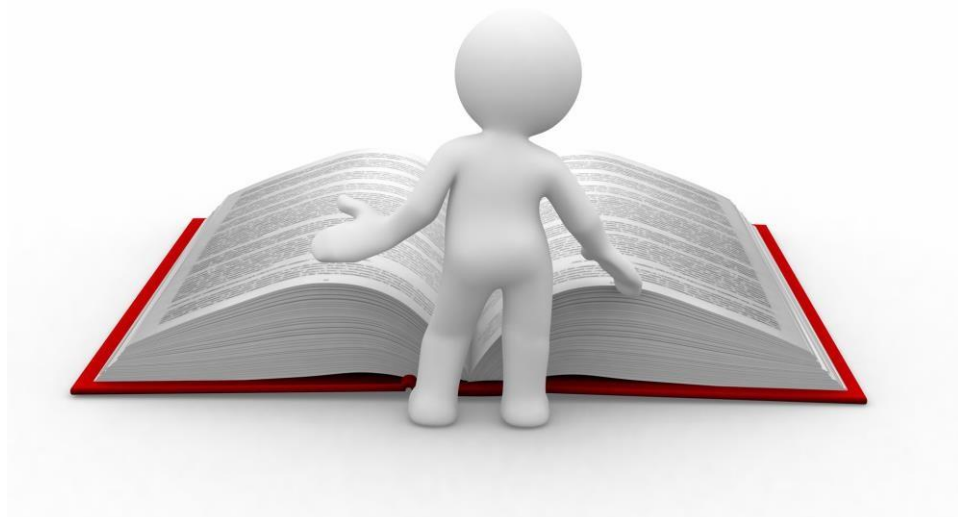
## - Day 11

### Agenda

- Target pseudo class
- Pseudo elements



**Target pseudo class:** When a URL includes a fragment identifier, the piece of the document at which it points is called (in CSS) the target. Thus, you can uniquely style any element that is the target of a URL fragment identifier with the `:target` pseudo-class. Let's understand target pseudo class with an example.

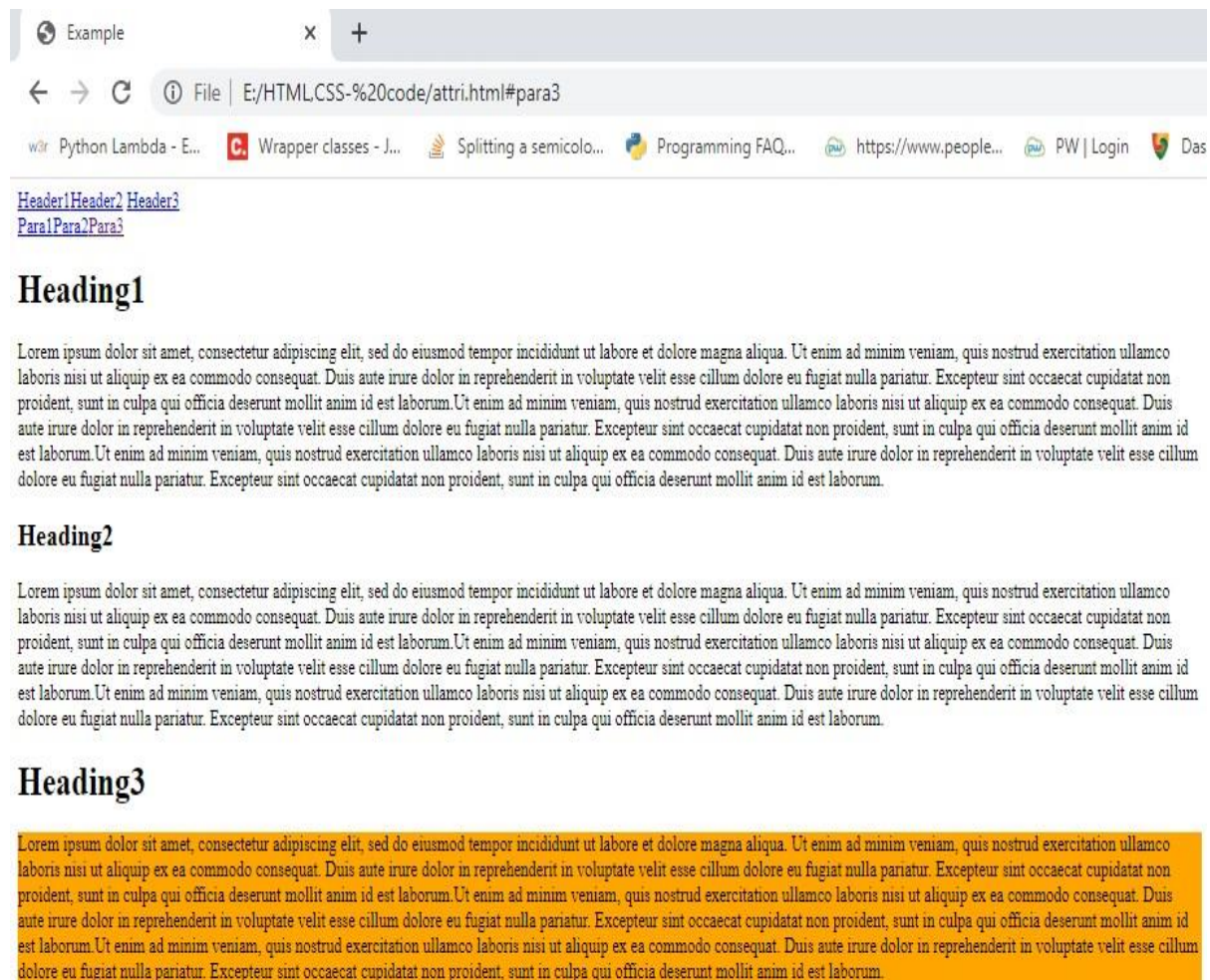


## Example:

### Index.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Example</title>
  <style type="text/css">
    h1:target{
      background-color: violet;
    }
    p:target{
      background-color: orange;
    }
  </style>
</head>
<body>
  <a href="#header1">Header1</a><a href="#header2">Header2</a>
  <a href="#header3">Header3</a><br>
  <a href="#para1">Para1</a><a href="#para2">Para2</a><a href="#para3">Para3</a>
  <h1 id="header1">Heading1</h1>
  <p id="para1">Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>
  <h2 id="header1">Heading2</h2>
  <p id="para2">Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>
  <h1 id="header1">Heading3</h1>
  <p id="para3">Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>
</body>
</html>
```

## Output:



Here we have clicked on para3 hyperlink so styling is applied to that target hyperlink only.

**Pseudo elements:** Pseudo-element in CSS is used to add style in specified parts of an element. Example: Using style before or after an element. Under pseudo elements we will come across first-letter, first-line, before and after. Let's now understand this with an example.

**Example: styling is applied to first line in the paragraph using first-line pseudo elements.**

## index.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Example</title>
  <style type="text/css">
    p::first-line{
      color: orange;
      font-family: monospace;
      font-weight: bold;
      font-size: 20px;
    }
  </style>
</head>
<body>
<h1>HTML</h1>
<p>Hypertext Markup Language(HTML) is the standarad markup language for documents designed to be displayed in a web browser.<br> It can be assigned by technologies such as Cascading style sheets (CSS) and scipting language such as JavaScript</p>
</body>
</html>
```

## Output:



## HTML

Hypertext Markup Language(HTML) is the standarad markup language for documents designed to be displayed in a web browser.

It can be assigned by technologies such as Cascading style sheets (CSS) and scipting language such as JavaScript

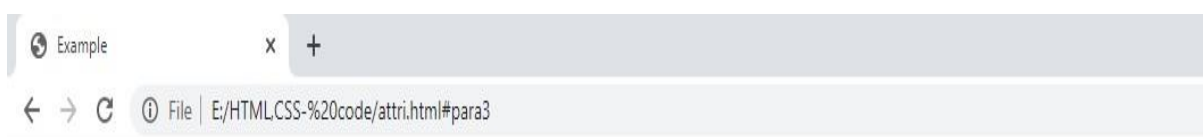


**Example: Styling is applied to first letter in the paragraph using first-letter pseudo elements.**

## index.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Example</title>
  <style type="text/css">
    p::first-line{
      color: orange;
      font-family: monospace;
      font-weight: bold;
      font-size: 20px;
    }
    p::first-letter{
      color: purple;
      font-family: cursive;
      font-weight: bold;
      font-size: 22px;
    }
  </style>
</head>
<body>
<h1>HTML</h1>
<p>Hypertext Markup Language(HTML) is the standard markup language for documents designed to be displayed in a web browser.<br> It can be assigned by technologies such as Cascading style sheets (CSS) and scripting language such as JavaScript</p>
</body>
</html>
```

## Output:



## HTML

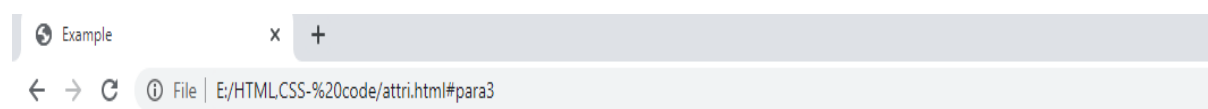
Hypertext Markup Language(HTML) is the standard markup language for documents designed to be displayed in a web browser.  
It can be assigned by technologies such as Cascading style sheets (CSS) and scripting language such as JavaScript

## Example: use of before and after pseudo elements.

### index.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Example</title>
  <style type="text/css">
    p::first-line{
      color: orange;
      font-family: monospace;
      font-weight: bold;
      font-size: 20px;
    }
    p::first-letter{
      color: purple;
      font-family: cursive;
      font-weight: bold;
      font-size: 22px;
    }
    h1::before{
      content: "[";
      color: orange;
    }
    h1::after{
      content: "]";
      color: orange;
    }
  </style>
</head>
<body>
<h1>HTML</h1>
<p>Hypertext Markup Language(HTML) is the standarad markup language for documents designed to be displayed in a web browser.<br> It can be assigned by technologies such as Cascading style sheets (CSS) and scipting language such as JavaScript</p>
</body>
</html>
```

## Output:



## [HTML]

Hypertext Markup Language(HTML) is the standarad markup language for documents designed to be displayed in a web browser.

It can be assigned by technologies such as Cascading style sheets (CSS) and scipting language such as JavaScript

## Example: Adding image using before and after pseudo elements

### Index.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Example</title>
  <style type="text/css">
    p::first-line{
      color: orange;
      font-family: monospace;
      font-weight: bold;
      font-size: 20px;
    }
    p::first-letter{
      color: purple;
      font-family: cursive;
      font-weight: bold;
      font-size: 22px;
    }
    h1::before{
      content: url(html.png);
      color: orange;
    }
    h1::after{
      content: url(html.png);
      color: orange;
    }
  </style>
</head>
<body>
<h1>HTML</h1>
<p>Hypertext Markup Language(HTML) is the standarad markup language for documents designed to be displayed in a web browser.<br> It can be assigned by technologies such as Cascading style sheets (CSS) and scipting language such as JavaScript</p>
</body>
</html>
```

### Output:

