Advance Selector In CSS

CSS Pseudo-classes:

A pseudo-class is used to define a special state of an element.

For example, it can be used to:

1.Style an element when a user moves the mouse over it

2.Style visited and unvisited links differently

3.Style an element when it gets focus

4.Style valid/invalid/required/optional form elements

Syntax

The syntax of pseudo-classes:

selector:pseudo-class {  
  property: value;  
}

CSS - The :first-child Pseudo-class:

The :first-child pseudo-class matches a specified element that is the first child of another element.

Match the first <p> element

In the following example, the selector matches any <p> element that is the first child of any element:

Example:

p:first-child {

color: blue;

}

<style>

p:first-child i {

color: blue;

}

</style>

</head>

<body>

<p>I am a <i>strong</i> person. I am a <i>strong</i> person.</p>

<p>I am a <i>strong</i> person. I am a <i>strong</i> person.</p>

<div>

<p>I am a <i>strong</i> person. I am a <i>strong</i> person.</p>

<p>I am a <i>strong</i> person. I am a <i>strong</i> person.</p>

</div>

What are Pseudo-Elements?

A CSS pseudo-element is used to style specific parts of an element.

For example, it can be used to:

* Style the first letter or line, of an element
* Insert content before or after an element
* Style the markers of list items
* Style the viewbox behind a dialog box

Syntax

The syntax of pseudo-elements:

selector::pseudo-element {  
  property: value;  
}

The ::first-line Pseudo-element

The ::first-line pseudo-element is used to add a special style to the first line of a text.

The following example formats the first line of the text in all <p> elements:

Example

p::first-line {  
  color: #ff0000;  
  font-variant: small-caps;  
}

The ::first-letter Pseudo-element

The ::first-letter pseudo-element is used to add a special style to the first letter of a text.

The following example formats the first letter of the text in all <p> elements:

Example

p::first-letter {  
  color: #ff0000;  
  font-size: xx-large;  
}

CSS - The ::before Pseudo-element

The ::before pseudo-element can be used to insert some content before the content of an element.

The following example inserts an image before the content of each <h1> element:

Example

h1::before {  
  content: url(smiley.gif);  
}

CSS - The ::after Pseudo-element

The ::after pseudo-element can be used to insert some content after the content of an element.

The following example inserts an image after the content of each <h1> element:

Example

h1::after {  
  content: url(smiley.gif);  
}

CSS - The ::marker Pseudo-element:

The ::marker pseudo-element selects the markers of list items.

The following example styles the markers of list items:

Example

::marker {  
  color: red;  
  font-size: 23px;  
}