**Working with Pseudo-Classes**

The CSS pseudo-classes allow us to style elements, or parts of elements, that exist in the document tree without using JavaScript or any other scripts. A pseudo-class starts with a "**:**" (colon).  
The most commonly used pseudo-classes are **:first-child** and **:last-child**.   
  
The **:first-child** pseudo-class matches an element that is the first child element of some other element.   
In the following example, the selector matches any <p> element that is the first child of the div element:  
  
**The HTML:**<div id="parent">  
<p>First paragraph</p>  
<p>Second paragraph</p>  
<p>Third paragraph</p>  
<p>Fourth paragraph</p>  
</div>  
**The CSS:**

#parent p:**first-child** {  
color: green;  
text-decoration: underline;   
}

The **:last-child** pseudo-class matches an element that is the last child element of some other element.   
  
In the example below, the selector will match any <p> element that is the last child of the div element:

#parent p:**last-child** {  
color: green;  
text-decoration: underline;   
}

**Working with Pseudo Elements-1**

Pseudo elements are used to select specific parts of an element.  
There are five pseudo elements in CSS, each starting with a double colon (**::**):  
  
**::first-line** - the first line of the text in a selector  
**::first-letter** - the first letter of the text in a selector  
**::selection** - selects the portion of an element that is selected by a user  
**::before**- inserts some content before an element  
**::after** - inserts some content after an element  
  
In the example below, the **::first-line** pseudo element is used to style the first line of our text:

p**::first-line** {  
color: #589432;  
}

The **::selection** pseudo element styles the selected text:

**p::-moz-selection** {  
background: #8bc34a;  
color: #fff;  
}

The**-moz-** prefix is used, as the :**:selection** element is not supported by Mozilla yet.

**Working with Pseudo Elements-2**

Using**::before** and **::after**pseudo elements allows us to add a wide variety of content to the page.  
  
In the example below, the **::before** pseudo element is used to add an image before the list.  
**The HTML:**<p>You can insert text, images, and other resources using <strong>:before </strong>pseudo element.</p>  
<p>You can insert text, images, and other resources using <strong>:before </strong>pseudo element.</p>  
<p>You can insert text, images, and other resources using <strong>:before </strong>pseudo element.</p>  
**The CSS:**

p**::before** {  
content: url("logo.jpg");  
}

Note the **content**keyword in the syntax.

If you change the  **::before** element to  **::after**  in the example above, the images will appear at the end of the list.