

CSS STATEMENTS, RULES, DECLARATION BLOCKS AND SELECTORS

In this **tutorial** we have discussed about **CSS statements, rules, declaration blocks** and **selectors**.

CSS statements

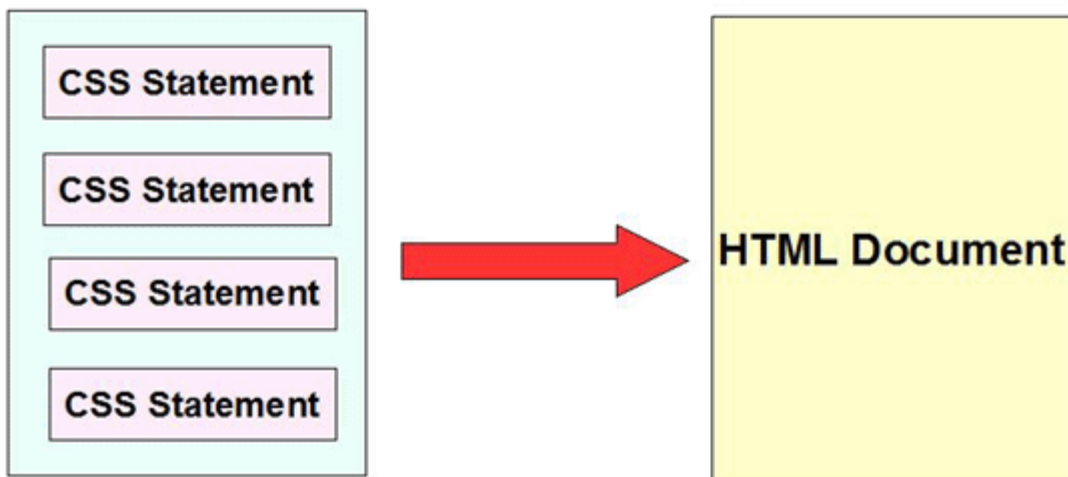
A CSS stylesheet is made up of **CSS statements** which describe presentations for HTML or XML web documents.

If you look at the example bellow,

```
p { background-color: #FDD017; color: #003366; font-weight: bold; width: 500px; padding: 5px; }
```

then, in this stylesheet, "**background-color: #FDD017;**", "**color: #003366;**", "**font-weight: bold;**", "**width: 500px;**", "**padding: 5px;**" all these are **CSS statements**.

Pictorial presentation of CSS statement



CSS Style sheet

There are two kinds of **CSS statement** : **at rules** and **rule sets**.

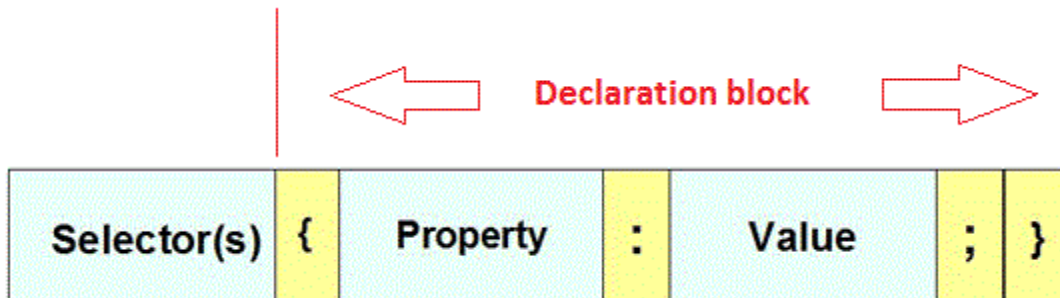
CSS at rules

A **CSS rule set** (also called "**rule**") comprises of a selector followed by a declaration block (properties and values wrapped by curly braces).

CSS declaration blocks

A **declaration block** contains CSS properties and their respective values enclosed with curly braces. A pair of property and value ends with a semicolon (;).

Pictorial presentation of CSS declaration block



CSS selectors

CSS Selectors select HTML elements in an HTML page. Properties and values written against **CSS selectors** assign styles, i.e. presentational features to the HTML elements.

Look at the example bellow :

```
p { background-color: #FDD017; color: #003366; font-weight: bold; width: 500px; padding: 5px; }
```

here, " **p** " is a selector. Since p refers to **p** element (paragraph) , so if this stylesheet is implemented on an HTML page, all paragraph elements will look like as described against p, in the stylesheet.

Besides elements names. selector can be group of elements, a document identifier, i.e. class or id and some other types like pseudo-elements or pseudo elements.

Bellow we have given code and result, if the above stylesheet is attached to an HTML element :

HTML and CSS code

[view plainprint?](#)

1. `<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">`

```
2. <html>
3. <head>
4. <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
5. <title>css selector example</title>
6. <style type="text/css">
7. p {
8. background-color: #FDD017;
9. color: #003366;
10. font-weight: bold;
11. width: 500px;
12. padding: 5px;
13. }
14. </style>
15. </head>
16. <body>
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19. </body>
20. </html>
```

Result

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Source : <http://www.w3resource.com/css/basics/CSS-statements-rules-declaration-blocks-selectors.php>