

# HTML, CSS AND JAVASCRIPT COURSE

## INTRODUCTION TO CSS



By the expert: Ubaldo Acosta



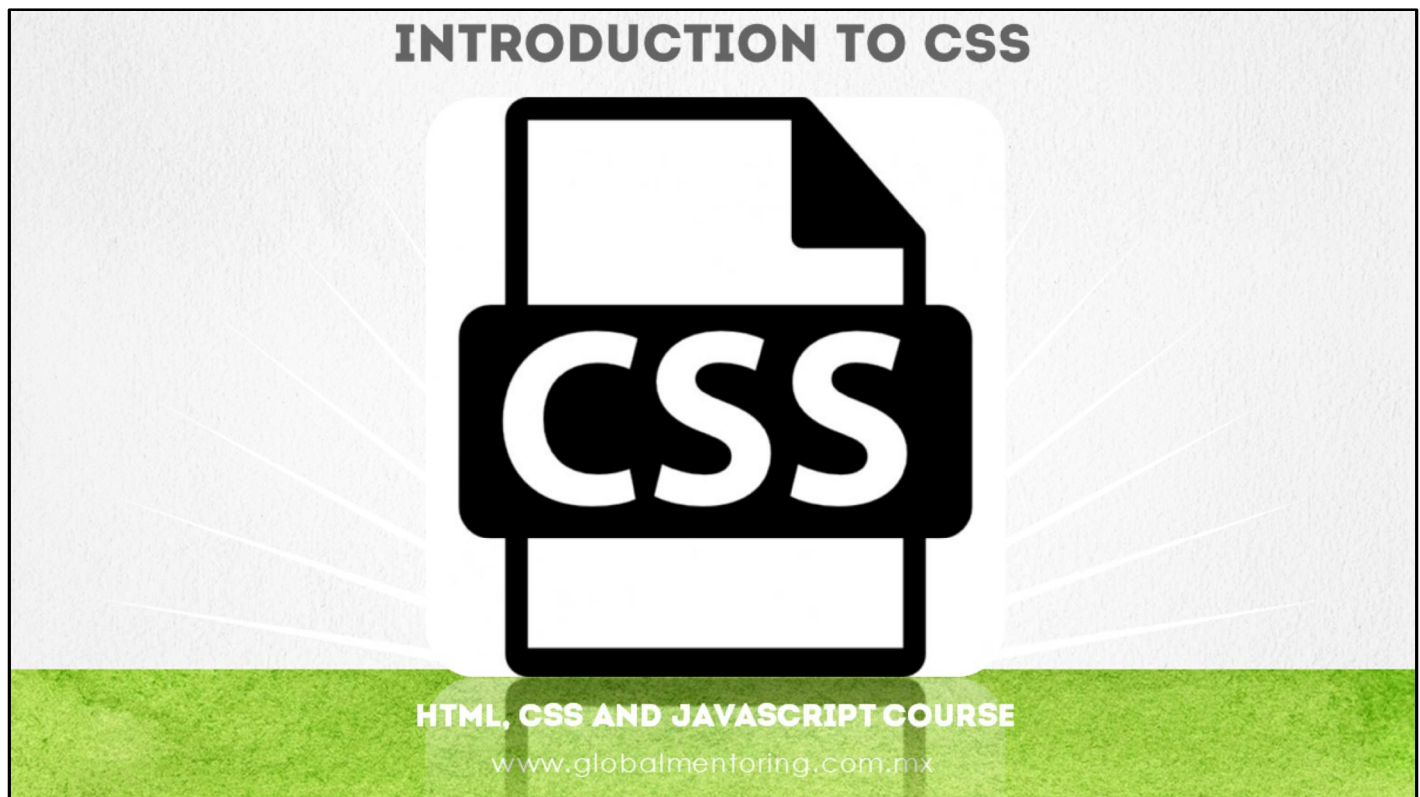
HTML, CSS AND JAVASCRIPT COURSE

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Hello, Ubaldo Acosta greets you. Welcome or welcome again. I hope you're ready to start with this lesson.

We are going to study the topic of Introduction to CSS.

Are you ready? OK let's go!



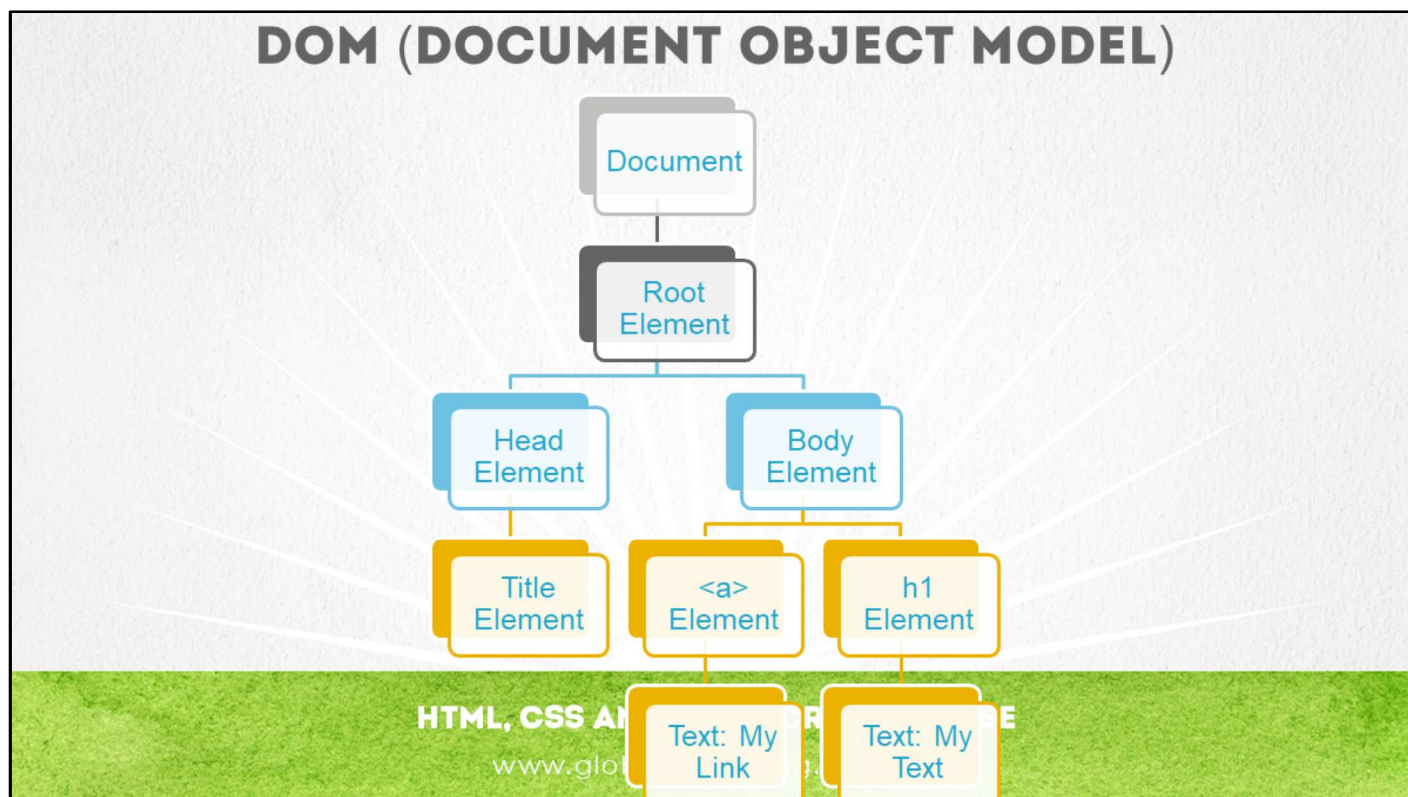
In this lesson we are going to study an introduction to CSS.

CSS stands for Cascade Style Sheet. The idea of combining the technologies of HTML and CSS arises from the need for each one to dedicate itself to perform its function, on the one hand HTML is responsible for displaying the information in the Web browser, but CSS is responsible for improving the presentation of said information, improving the design, colors, effects, and everything necessary so that the information not only looks like a plain text in the Web browser, but has a pleasant appearance to the user.

We are going to make several examples, but before we will mention some important points regarding CSS.

CSS styles are used to format HTML pages in a centralized way, if we already have some experience creating HTML pages surely we have had the problem that when growing our website what happens is that the styles, either to our texts, our images or our text boxes, etc. they begin to have different formats, and to be able to apply the same format to all these HTML elements, they will concentrate on styles which we know as CSS. The idea is to create CSS styles and these styles are going to be applied to our HTML elements.

It is known as a cascading language because they are applied in this way, cascaded or inherited, for example a style that is defined in a .css file can be overwritten by a style defined directly in the HTML page . In this way, the styles are overwritten as they are more internal or more external, always prevailing the most internal css element (example a style defined within the web page and not in an external file).



When a Web page is loaded in the Web browser, what is known as the Document Object Model (DOM) is created. The DOM is built as an object tree.

As we can see in the figure, each of these elements is created and each element depends on another element inside the tree.

It is through this tree that we can apply styles to each of the elements of our HTML page and through CSS apply a specific design to each element. We will do this through selectors that we will study next.



## SELECTORS IN CSS

The selectors in CSS are classified in:

### **Selectors ID:**

- These selectors will be used to specify the style of a single item in the current Web page
- To define a CSS ID the operator # is used
- It must be applied to the id attribute in HTML elements

### **Class Selectors:**

- These selectors are used to specify the style of a group of elements
- To define a CSS class the dot operator (.) is used
- It must be applied to the class attribute in HTML elements

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Let's review the subject of selectors below.

A selector in CSS as its name says, are used to select elements of our HTML page. Through the DOM (Document Object Model) it is possible to see the HTML page as a tree of nested HTML elements as we have seen. And it is through this tree of elements that we can

There are the following selectors in CSS, on the one hand we have the selectors that are known as ID and on the other hand those that are known as Class.

The ID type selectors will allow us to apply a defined style for an element in a unique way in the current web page, so they should be applied only to one element in our website. To define a selector ID the number sign # this is used to define the style, but to be able to use it within our HTML element we must use the ID attribute of the HTML element. Later we will see an example of this type of styles.

On the other hand we have the CLASS selector. These types of selectors are used to specify the style of a group of elements. To define a CLASS-type css selector, the dot (.) Operator is used and to use these selectors we use the class attribute in the HTML element where we want to apply this style. In the same way we will see an example of how to apply these CSS styles.

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