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# XML DOM

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### What is the DOM?

The Document Object Model (DOM) defines a standard for accessing and manipulating documents:

"The W3C Document Object Model (DOM) is a platform and language-neutral interface that allows programs and scripts to dynamically access and update the content, structure, and style of a document."

The **HTML DOM** defines a standard way for accessing and manipulating HTML documents. It presents an HTML document as a tree-structure.

The **XML DOM** defines a standard way for accessing and manipulating XML documents. It presents an XML document as a tree-structure.

Understanding the DOM is a must for anyone working with HTML or XML.

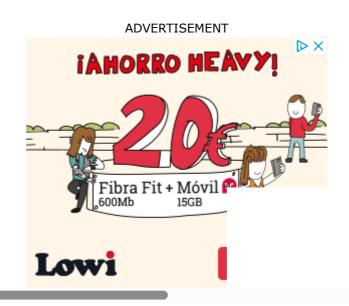
## The HTML DOM

All HTML elements can be accessed through the HTML DOM.

This example changes the value of an HTML element with id="demo":



You can learn a lot more about the HTML DOM in our JavaScript tutorial.



## The XML DOM

All XML elements can be accessed through the XML DOM.

#### Books.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<bookstore>
```

This code retrieves the text value of the first <title> element in an XML document:

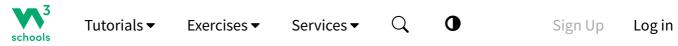
#### Example

```
txt = xmlDoc.getElementsByTagName("title")[0].childNodes[0].nodeValue;
```

The XML DOM is a standard for how to get, change, add, and delete XML elements.

This example loads a text string into an XML DOM object, and extracts the info from it with JavaScript:

### Example



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```
"</book></bookstore>";

parser = new DOMParser();
xmlDoc = parser.parseFromString(text,"text/xml");

document.getElementById("demo").innerHTML =
xmlDoc.getElementsByTagName("title")[0].childNodes[0].nodeValue;
</script>

</body>
</html>
```

Try it Yourself »

You will learn a lot more about the XML DOM in our XML DOM Tutorial.

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