

DOM Introduction:

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Document Object Model
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HTML DOM:

- \* The Document Object Model represents the whole html document.
- \* When a web page is loaded, the browser creates a Document Object Model of the page.
- \* Document Object Model is the root element of the HTML document. It defines,
  - \* Properties.
  - \* Methods.
  - \* Events.
- \* By the help of Document Object Model, we can add dynamic content to our web page.
- \* <button type="submit" onclick=myFunction()></button>
  - \* type is called as a Attribute.
  - \* onclick is called as a Event.
  - \* myFunction() is called as a Method.
  - \* button is called as a Element.

DOM:

- \* Document: XML File, HTML File.
- \* Object: <h1></h1>, <span></span>, <img></img>
- \* Model: Structure.
- \* DOM Tree Structure.

What can we do with the DOM?

- \* We can add new HTML elements and attributes.
- \* We can change all the HTML elements, attributes and CSS styles.
- \* We can remove existing HTML elements and attributes.
- \* We can create a new HTML events.

HTML DOM METHODS & PROPERTIES:

DOM METHODS:

- \* getElementById
- \* getElementByClassName
- \* getElementByName
- \* getElementByTagName
- \* querySelector
- \* querySelectorAll
- \* addEventListener
- \* getAttribute
- \* setAttribute
- \* Etc...

#### DOM PROPERTIES:

- \* innerHTML
- \* innerText
- \* classList
- \* className
- \* tagName
- \* firstChild
- \* firstElementChild
- \* lastChild
- \* lastElementChild
- \* Etc...

#### DOM EVENTS:

- \* onclick
- \* onload
- \* onchange
- \* onmouseover
- \* onmouseout
- \* onmouseup
- \* onmousedown
- \* Etc...

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