

# Document Object Model

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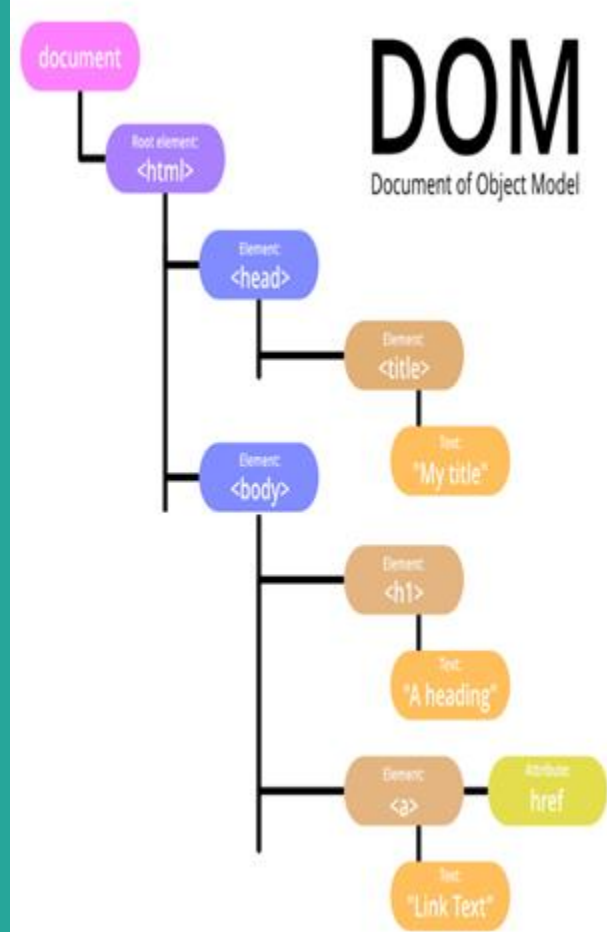
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# First let's see what's window object?

The window object represents an open window in a browser. It is browser's object (not JavaScript's)  
& is automatically created by browser.

# What is DOM?

When a web page is loaded, the browser creates a Document Object Model (DOM) of the page



# DOM Manipulation:

## Selecting elements-

By ID: `document.getElementById("myId")`

By Class: `document.getElementsByClassName("myClass")`

By TagName: `document.getElementsByTagName("p")`

# DOM Manipulation: Query Selector-

```
document.querySelector("#myId / .myClass / tag")  
//returns first element
```

```
document.querySelectorAll("#myId / .myClass / tag")  
//returns a NodeList
```

# DOM Manipulation: Properties-

tagName : returns tag for element nodes

innerText : returns the text content of the element and all its children

innerHTML : returns the plain text or HTML contents in the element

textContent : returns textual content even for hidden elements

# DOM Manipulation: Attributes-

`getAttribute( attr )` //to get the attribute value  
Attributes

`setAttribute( attr, value )` //to set the attribute value

# DOM Manipulation:

## Insert Elements-

```
let el = document.createElement("div")
```

```
node.append( el ) //adds at the end of node (inside)
```

```
node.prepend( el ) //adds at the start of node (inside)
```

```
node.before( el ) //adds before the node (outside)
```

```
node.after( el ) //adds after the node (outside)
```



# DOM Manipulation: Delete Elements-

```
node.remove( ) //removes the node
```