



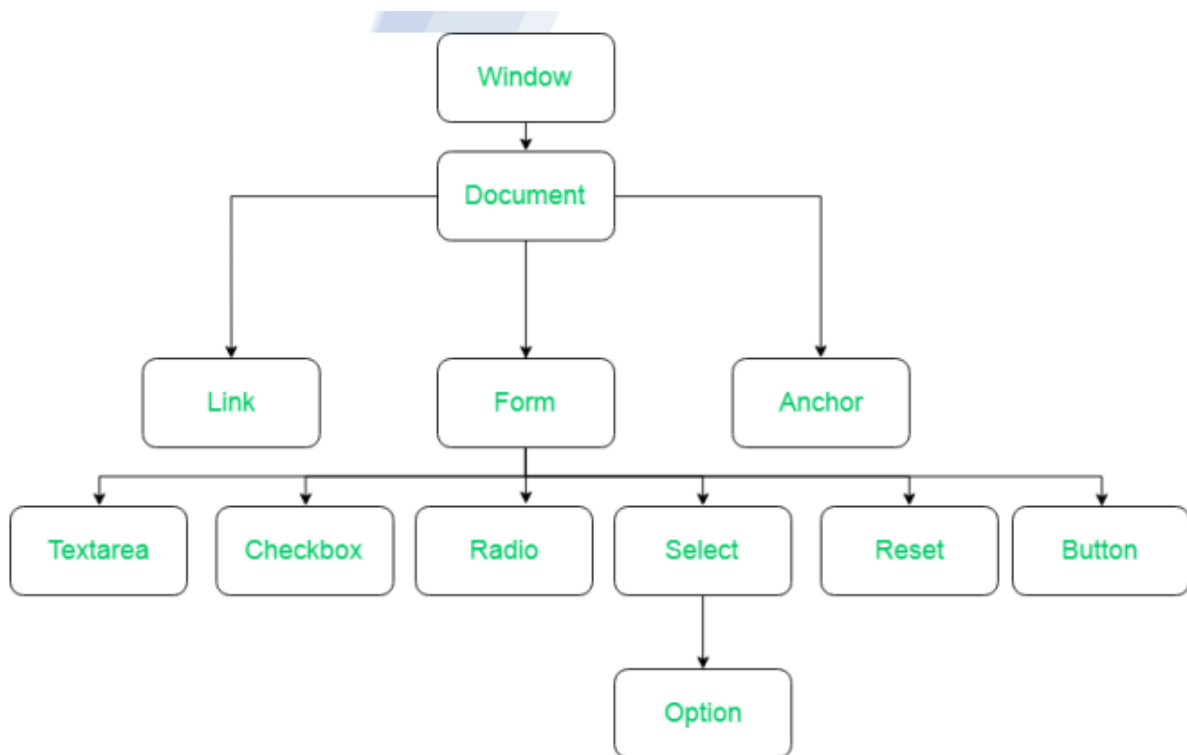
Lesson 78 JS HTML DOM

The Document Object Model (**DOM**) is an **API** for HTML documents. It defines the logical structure of a webpage and the way it is accessed and manipulated.

DOM is a way to represent the webpage in a **structured hierarchical** way so that it will become easier for programmers and users to glide through the document.

Why is it called an Object Model ?

Documents are modeled using objects, and the model includes not only the structure of a document but also the behavior of a document and the objects of which it is composed of like tag elements with attributes in HTML.





Access an HTML element :

- document.getElementById(id)
- document.getElementsByClassName(class)
- document.getElementsByTagName(tagname)

Change main content of an element:

- HTMLObject.innerHTML = text

Change the style of an element :

- HTMLObject.style.property = new style

Create a new Html element:

- document.createElement(nodename)

Manipulating elements:

- createElement()
- appendChild() – append a node to a list of child nodes of a specified parent node.

Let's see a simple example of a document object that prints a name with a welcome message.

```
<script type="text/javascript">
```

```
function printvalue(){
```

```
var name=document.form1.name.value;
```



```
alert("Welcome: "+name);  
}
```

</script>

<form name="form1">

Enter Name:<input type="text" name="name"/>

<input type="button" onclick="printvalue()" value="print
name"/>

</form>