**DOM**

* Using HTML DOM, Javascript can access all elements of the HTML document.
* When a web page is loaded, browser creates a DOM of the page.
* It is constructed as a tree of objects.

**Methods**

* DOM methods are actions you can perform on the HTML elements.
* DOM properties are the values of the HTML elements that you can set or change.
* In DOM, all HTML elements are defined as objects.

**DOM Document**

* Document object is the owner of all other objects in web page.
* To access any element of the web page, start with accessing the document object.

**DOM Elements**

* To manipulate the HTML element, first it need to find out that element.
* There different ways to find element which are:
* Finding element by id
* Finding element by class name
* Finding element by tag name
* Finding element by CSS selector
* To find element by using id is document.getElementById(“id”)
* If the element is found, the method will return the element as an object.
* If the element is not found, the method will return the null value.
* To find element by using class name is **document.getElementByClassName(“Classname”)**
* To find element by using tag name is **document.getElementByTagName(“Tag”)**
* To find elements that match specified CSS selector then use **querySelectorAll()** method.

**Changing HTML content**

* **innerHTML** property changes the content of an HTML element.
* To change the attribute value, use **attribute** property.
* Syntax: document.getElementById(“Id name”).attributename = value
* **Document.write()** is used to write directly to the HTML output stream.

**Changing CSS**

* To change the style of the element, document.getElementById(“Id name”).style.propertyname = newvalue.
* For example: document.getElementById(“Id”).style.color = “Blue”

**Using Events**

* DOM allows you to execute code when an event occurs.
* It allows you to assign events to HTML elements using javascript.
* document.getElementById(“Id”).event = function
* Function is assigned to an HTML element having id and the function is executed when the event occurred.