**querySelector:**

=>query selector is used to return first matches element with specified selector name.

**Syntax:**

Var variableName=document.querySelector(“selector”);

**Example:**

<body>

<div id="box">HTML</div>

<div class="a">CSS</div>

<div class="a">JS<h1>HII</h1></div>

<div>Jquery</div>

<script>

var dv=document.querySelector("div").innerText//HTML

var dv=document.querySelector("#box").innerText//HTML

var dv=document.querySelector".a").innerText//HTML

var dv=document.querySelector(".a,#box").innerText//HTML

var dv=document.querySelector(".a h1").innerText//HII

</script>

</body>

**querySelectorAll():**

querySelectorAll function is used to return collection of all matches element with specified selector name as NodeList Object.

**Example:**

<h1 class=”a”>HTML</h1>

<h1 class=”b”>CSSL</h1>

<h1 class=”a”>JS</h1>

<h1 class=”b”>JQ</h1>

<script>

//var h=document.querySelectorAll(“h1”)[0].innerText//HTML

//var h=document.querySelectorAll(“h1”)[3].innerText//JQ

// var h=document.querySelectorAll(“.a”)[1].innerText//JS

</script>

**classList:**

=>classList is object providing some method related to CSS class.

Add()

Remove()

Togal()

Contains()

**Add():**

**=>**`add function is used to add class to selected HTML Element.

**Example:**

**.a{**

**background:red;**

color:white;

font-size:100px;

height:100px;

text-align:center;

line-height:100px;

}

document.getElementById("box").classList.add('a')

**remove():**

**=>**remove function is used to remove CSS class from selected HTML element.

**Toggle():**

**=>**toggle function is used to provide toggle between add and remove function .

**Contains():**

**=>**contains function is used to check weather given css class is added or not.

=>it returns true if given css class is added otherwise returns false.

**getAttribute():**

=>getattribute function is used to get value of attribute of any selected HTML element.

**Syntax:**

<img src=”abc.jpg” id=”im1” class=”a”/>

Document.querySelector(“img”).getAttribute(“src”)//abc.jpg

Document.querySelector(“img”).getAttribute(“id”)//im1

Document.querySelector(“img”).getAttribute(“class”)//a

**setAttribute():**

**=>**setAttribute function is used to set attribute value to selected HTML element.

**Syntax:**

Document.querySelector(“div”).setAttribute(“attributeName”,”value”);

<img src=”abc.jpg” id=”im1”/>

Document.quertSelector(“img”).setAttribute(“class”,”abc”)/

Document.quertSelector(“img”).setAttribute(“src”,”abc.jpg”)/

**Math()**

Random

Ceil

Floor

Round

Min

Max

Pow

Sqrt

Cbrt

**Math():**

**=>**math is a object designed to provide some method related to mathematical operation.

**random():**

**=>**random function is used to return random number between 0(inclusive) and 1(exclusive).

**Syntax:**

Math.random()//0

Math.random()//0.456

Math.random()//0.456

Math.random()//09999

Math.random()//0.4895729384

**Ceil():**

**=>**ceil() function is used to return largest integer value of given number.

Math.ceil(5.3)//6

Math.ceil(5.03873//6

Math.ceil(5.9)//6

**Floor():**

**=>**floor function is used to return lowest integer value of given number

Math.floor(4.45353)//4

Math.floor(5.45353)//5

Math.floor(0.45353)//0

Math.floor(9.45353)//9

**round():**

**=>**round function is used to return closet integer value of given number.