parseInt() – Convert the given string to integer

**Math Functions**

Math.PI - returns a value 3.14

Math.round() - 4.7 - 5, 3.2 – 3

Math.pow(x,y) - 5^2 – 25 - Math.pow(5,2)

Math.sqrt(x) - Math.sqrt(64) – 8

Math.abs(x) - Math.abs(-3) - 3

**String Functions**

Var name = “Gokulakrishnan”

variable.length – gives the length of the given string name

variable.substr(a,b) - Extracts the b number of characters from the position a

Example: name.substr(3,4) = ulak

Variable.replace(“character to be replaced”,”replacing character”) – it will replace the first occurance of the given character.

Example: name.replace(“o”,”a”) - Gakulakrishnan

Variable.replace(/character to be replaced/g, “replacing character”) – Here g stands for global.

All the given characters will be replace.

Example:name.replace(/a/g,”o”) – Gokulokrishnon

Variable.toUpperCase() – Converts the given string to upper case

Variable.toLowerCase() – Converts the given string to lower case.

<html>

<head>

<script>

function disp()

{

var x;

x= document.getElementById("sn").value;

alert(x);

y=(x.length);

alert("Length is "+y);

alert(x.substr(3,6));

alert(x.replace("a","o"));

alert(x.replace(/a/g,"o"));

alert(x.toUpperCase());

alert(x.toLowerCase());

}

</script>

</head>

<body>

Name: <input type="text" name="sn" id="sn">

<br>

<button type="button" onclick="disp()">Click Me</button>

</body>

</html>

Array

Array is used to store a collection of same type of data in a single variable name.

Var fruits = [“apple”,”banana”,”orange”];

Numbers are used as index values. The index of an array always starts with 0;

fruits[0]=apple, fruits[1]=banana and fruits[2]=orange

Array Lenth – fruits.length – returns the number of elements in the array fruits.

<html>

<head>

<script>

function disp()

{

var fruits,flen,i;

fruits=["apple","banana","orange","jackfruit","pineapple"];

flen=fruits.length;

for (i=0;i<flen;i++)

{

document.write(fruits[i]);

document.write("<br>");

}

}

</script>

</head>

<body>

<button type="button" onclick="disp()">Click Me</button>

</body>

</html>