

Handling String in JavaScript

Topic	JavaScript Function
Strings can be written with single or double quotes	<pre>var car1 = "Nissan X"; var car2 = 'Nissan XV';</pre>
Backslash before quotes accepts same-quotes inside	<pre>var a = 'It\'s Alright'; var b = "We are the best \"Action\" Hero";</pre>
Find the length of a string using ".length"	<pre>document.getElementById("title").innerHTML = txt.length;</pre>
String is Breakable within String by Backslash	<pre><script> document.getElementById("msg").innerHTML = "Hello, \n Nirjhor Anjum." </script></pre>
Find the position of the first occurrence of a text in a string	<pre>var str = "Hello Anjum, welcome to USA!"; var n = str.indexOf("welcome"); // 13 //</pre>
Search a string inside the entire String	<pre>var str = "Mr Anjum and Mr Nirjhor is same"; var res = str.match(/Mr/g); document.write(res); // 2 //</pre>
Replaces a String with another	<pre>var str = document.getElementById("msg").innerHTML; var txt = str.replace("PIIT", "PeopleNTech");</pre>
Make all Uppercase	<pre>document.getElementById("msg").innerHTML = text.toUpperCase();</pre>
Make all Lowercase	<pre>document.getElementById("msg").innerHTML = text.toLowerCase();</pre>
Split a String into Arrays	<pre>var str = "a,b,c,d,e,f"; var arr = str.split(","); document.getElementById("txt").innerHTML = arr[0];</pre>

Handling Number in JavaScript

Topic	JavaScript Function
Integers are considered accurate up to 15 digits	<pre>var x = 999999999999999; // 999999999999999 var y = 9099999999999998; // 91000000000000000</pre>
Floating point arithmetic is not always 100% accurate	<pre>x = 0.2 + 0.1; // 0.30000000000000004</pre>
A number divided by a string is not a number (NaN).	<pre>var x = 1000 / "Apple";</pre>

Handling Math in JavaScript

Topic	JavaScript Function
Math.floor() rounds a number down to its nearest integer.	<pre>var x = Math.floor(4.7); // 4</pre>
Math.ceil () rounds a number up to its nearest integer.	<pre>var x = Math.ceil(4.4); // 5</pre>
max() Returns the Largest Number from a Number List	<pre>Math.max(0, 150, 30, 20, -8);</pre>
min() Returns the Smallest Number from a Number List	<pre>Math.min(0, 150, 30, 20, -8);</pre>

Handling Date in JavaScript

Topic	JavaScript Function
Date() returns the entire Information of Current Time	Date(); // Thu Feb 12 2015 22:22:15 GMT+0600 (Azores Standard Time)
Get Current Year	Date().getFullYear();
Get Current Month (Numbering will be from 0 to 11)	Date().getMonth();
Get Current Date	Date().getDate();
Get Current Day of the Week (Numbering will be from 0 to 6)	Date().getDay();
Get Current Hour	Date().getHours();
Get Current Minute	Date().getMinutes();
Get Current Second	Date().getSeconds();

Handling Date in JavaScript

Topic	JavaScript Function
Combining multiple Arrays together to make one single Array	<pre>var arr1 = ["Nirjhor", "Anjum"]; var arr2 = ["Ishak", "Abdullah"]; var arr3 = ["Dhaka", "Bangladesh"]; arrTotal = arr1.concat(arr2, arr3);</pre>
Joins Array Elements together By any String	<pre>var menu = ["Home", "About", "Services", "Contact"]; var myMenu = menu.join(" ");</pre>
Removes the last Element from an Array	<pre>menu.pop();</pre>
Adds a new Element at the end of an Array	<pre>menu.push("Contact");</pre>
Converts Array to String (Comma Separated)	<pre>menu.toString();</pre>
Orders Array Elements Alphabetically from A to Z	<pre>menu.sort();</pre>
Orders Number Numerically in Ascending Order	<pre>var marks = [40, 100, 1, 5, 25, 10]; marks.sort(function(a, b){return a-b});</pre>
Orders Number Numerically in Descending Order	<pre>var marks = [40, 100, 1, 5, 25, 10]; marks.sort(function(a, b){return b-a});</pre>