

JavaScript - The Strings Object

The **String** object lets you work with a series of characters; it wraps Javascript's string primitive data type with a number of helper methods.

As JavaScript automatically converts between string primitives and String objects, you can call any of the helper methods of the String object on a string primitive.

Syntax

Use the following syntax to create a String object –

```
var val = new String(string);
```

The **String** parameter is a series of characters that has been properly encoded.

String Properties

Here is a list of the properties of String object and their description.

Sr.No.	Property & Description
1	constructor Returns a reference to the String function that created the object.
2	length Returns the length of the string.
3	prototype The prototype property allows you to add properties and methods to an object.

In the following sections, we will have a few examples to demonstrate the usage of String properties.

String Methods

Here is a list of the methods available in String object along with their description.

Sr.No.	Method & Description
1	<code>charAt()</code> Returns the character at the specified index.
2	<code>charCodeAt()</code> Returns a number indicating the Unicode value of the character at the given index.
3	<code>concat()</code> Combines the text of two strings and returns a new string.
4	<code>indexOf()</code> Returns the index within the calling String object of the first occurrence of the specified value, or -1 if not found.
5	<code>lastIndexOf()</code> Returns the index within the calling String object of the last occurrence of the specified value, or -1 if not found.
6	<code>localeCompare()</code> Returns a number indicating whether a reference string comes before or after or is the same as the given string in sort order.
7	<code>match()</code> Used to match a regular expression against a string.
8	<code>replace()</code> Used to find a match between a regular expression and a string, and to replace the matched substring with a new substring.
9	<code>search()</code> Executes the search for a match between a regular expression and a specified string.
10	<code>slice()</code> Extracts a section of a string and returns a new string.
11	<code>split()</code> Splits a String object into an array of strings by separating the string into substrings.

12	<code>substr()</code> Returns the characters in a string beginning at the specified location through the specified number of characters.
13	<code>substring()</code> Returns the characters in a string between two indexes into the string.
14	<code>toLocaleLowerCase()</code> The characters within a string are converted to lower case while respecting the current locale.
15	<code>toLocaleUpperCase()</code> The characters within a string are converted to upper case while respecting the current locale.
16	<code>toLowerCase()</code> Returns the calling string value converted to lower case.
17	<code>toString()</code> Returns a string representing the specified object.
18	<code>toUpperCase()</code> Returns the calling string value converted to uppercase.
19	<code>valueOf()</code> Returns the primitive value of the specified object.

String HTML Wrappers

Here is a list of the methods that return a copy of the string wrapped inside an appropriate HTML tag.

Sr.No.	Method & Description
1	<code>anchor()</code> Creates an HTML anchor that is used as a hypertext target.
2	<code>big()</code> Creates a string to be displayed in a big font as if it were in a <code><big></code> tag.
3	<code>blink()</code> Creates a string to blink as if it were in a <code><blink></code> tag.
4	<code>bold()</code> Creates a string to be displayed as bold as if it were in a <code></code> tag.
5	<code>fixed()</code> Causes a string to be displayed in fixed-pitch font as if it were in a <code><tt></code> tag
6	<code>fontcolor()</code> Causes a string to be displayed in the specified color as if it were in a <code></code> tag.
7	<code>fontsize()</code> Causes a string to be displayed in the specified font size as if it were in a <code></code> tag.
8	<code>italics()</code> Causes a string to be italic, as if it were in an <code><i></code> tag.
9	<code>link()</code> Creates an HTML hypertext link that requests another URL.
10	<code>small()</code> Causes a string to be displayed in a small font, as if it were in a <code><small></code> tag.
11	<code>strike()</code> Causes a string to be displayed as struck-out text, as if it were in a <code><strike></code> tag.

12	<code>sub()</code> Causes a string to be displayed as a subscript, as if it were in a <code><sub></code> tag
13	<code>sup()</code> Causes a string to be displayed as a superscript, as if it were in a <code><sup></code> tag

In the following sections, we will have a few examples to demonstrate the usage of String methods.