

JAVASCRIPT - THE STRINGS OBJECT

http://www.tutorialspoint.com/javascript/javascript_strings_object.htm

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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.

Property	Description
constructor	Returns a reference to the String function that created the object.
length	Returns the length of the string.
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.

Method	Description
charAt	Returns the character at the specified index.
charCodeAt	Returns a number indicating the Unicode value of the character at the given index.
concat	Combines the text of two strings and returns a new string.
indexOf	Returns the index within the calling String object of the first occurrence of the specified value, or -1 if not found.
	Returns the index within the calling String object of the last occurrence of

<u>lastIndexOf</u>	the specified value, or -1 if not found.
<u>localeCompare</u>	Returns a number indicating whether a reference string comes before or after or is the same as the given string in sort order.
<u>match</u>	Used to match a regular expression against a string.
<u>replace</u>	Used to find a match between a regular expression and a string, and to replace the matched substring with a new substring.
<u>search</u>	Executes the search for a match between a regular expression and a specified string.
<u>slice</u>	Extracts a section of a string and returns a new string.
<u>split</u>	Splits a String object into an array of strings by separating the string into substrings.
<u>substr</u>	Returns the characters in a string beginning at the specified location through the specified number of characters.
<u>substring</u>	Returns the characters in a string between two indexes into the string.
<u>toLocaleLowerCase</u>	The characters within a string are converted to lower case while respecting the current locale.
<u>toLocaleUpperCase</u>	The characters within a string are converted to upper case while respecting the current locale.
<u>toLowerCase</u>	Returns the calling string value converted to lower case.
<u>toString</u>	Returns a string representing the specified object.
<u>toUpperCase</u>	Returns the calling string value converted to uppercase.
<u>valueOf</u>	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.

Method	Description
<u>anchor</u>	Creates an HTML anchor that is used as a hypertext target.

big	Creates a string to be displayed in a big font as if it were in a <big> tag.
blink	Creates a string to blink as if it were in a <blink> tag.
bold	Creates a string to be displayed as bold as if it were in a tag.
fixed	Causes a string to be displayed in fixed-pitch font as if it were in a <tt> tag
fontcolor	Causes a string to be displayed in the specified color as if it were in a tag.
fontsize	Causes a string to be displayed in the specified font size as if it were in a tag.
italics	Causes a string to be italic, as if it were in an <i> tag.
link	Creates an HTML hypertext link that requests another URL.
small	Causes a string to be displayed in a small font, as if it were in a <small> tag.
strike	Causes a string to be displayed as struck-out text, as if it were in a <strike> tag.
sub	Causes a string to be displayed as a subscript, as if it were in a <sub> tag
sup	Causes a string to be displayed as a superscript, as if it were in a <sup> tag

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

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