

Methods

Object

toString
toLocaleString
valueOf
hasOwnProperty
isPrototypeOf
propertyIsEnumerable

String

charAt
charCodeAt
fromCharCode
concat
indexOf
lastIndexOf
localeCompare
match
replace
search
slice
split
substring
substr
toLowerCase
toUpperCase
toLocaleLowerCase
toLocaleUpperCase

RegExp

test
match
exec

Array

concat
join
push
pop
reverse
shift
slice
sort
splice
unshift

Number

toFixed
toExponential
toPrecision

Date

parse
toDate
toISOString
getTime
getDate
getDay
getFullYear
getHours
getMilliseconds
getMinutes
getMonth
getSeconds
getTime
getTimezoneOffset
getYear
setDate
setHours
setMilliseconds
setMinutes
setMonth
setSeconds
setYear
toLocaleTimeString

JavaScript

XMLHttpRequest

Safari, Mozilla, Opera:

```
var req = new XMLHttpRequest();
```

Internet Explorer:

```
var req = new  
ActiveXObject("Microsoft.XMLHTTP");
```

XMLHttpRequest Object Methods

```
abort()  
getAllResponseHeaders()  
getResponseHeader(header)  
open(method, URL)  
send(body)  
setRequestHeader(header, value)
```

XMLHttpRequest Object Properties

```
onreadystatechange  
readyState  
responseText  
responseXML  
status  
statusText
```

XMLHttpRequest readyState Values

```
0    Uninitiated  
1    Loading  
2    Loaded  
3    Interactive  
4    Complete
```

JAVASCRIPT IN HTML

External JavaScript File

```
<script type="text/javascript"  
src="javascript.js"></script>
```

Inline JavaScript

```
<script type="text/javascript">  
<!--  
    // JavaScript Here  
//-->  
</script>
```

Functions

Window

```
alert  
blur  
clearTimeout  
close  
focus  
open  
print  
setTimeout
```

Built In

```
eval  
parseInt  
parseFloat  
isNaN  
isFinite  
decodeURI  
decodeURIComponent  
encodeURIComponent  
encodeURIComponent  
escape  
unescape
```

REGULAR EXPRESSIONS - FORMAT

Regular expressions in JavaScript take the form:

```
var RegEx = /pattern/modifiers;
```

REGULAR EXPRESSIONS - MODIFIERS

```
/g    Global matching  
/i    Case insensitive  
/s    Single line mode  
/m    Multi line mode
```

REGULAR EXPRESSIONS - PATTERNS

```
^      Start of string  
$      End of string  
.      Any single character  
(a|b)  a or b  
(...)  Group section  
[abc]  Item in range (a or b or c)  
[^abc] Not in range (not a or b or c)  
a?     Zero or one of a  
a*     Zero or more of a  
a+     One or more of a  
a{3}   Exactly 3 of a  
a{3,}  3 or more of a  
a{3,6} Between 3 and 6 of a  
!(pattern) "Not" prefix. Apply rule when  
          URL does not match pattern.
```

EVENT HANDLERS

```
onAbort      onMouseDown  
onBlur       onMouseMove  
onChange     onMouseOut  
onClick      onMouseOver  
onDbClick    onMouseUp  
onDragDrop   onMove  
onError      onReset  
onFocus      onResize  
onKeyDown    onSelect  
onKeyPress   onSubmit  
onKeyUp      onUnload  
onLoad
```

FUNCTIONS AND METHODS

A method is a type of function, associated with an object. A normal function is not associated with an object.

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DOM Methods

Document

```
clear  
createDocument  
createDocumentFragment  
createElement  
createEvent  
createEventObject  
createRange  
createTextNode  
getElementsByName  
getElementById  
write
```

Node

```
addEventListener  
appendChild  
attachEvent  
cloneNode  
createTextRange  
detachEvent  
dispatchEvent  
fireEvent  
getAttributeNS  
getAttributeNode  
hasChildNodes  
hasAttribute  
hasAttributes  
insertBefore  
removeChild  
removeEventListener  
replaceChild  
scrollIntoView
```

Form

```
submit
```

DOM Collections

```
item
```

Range

```
collapse  
createContextualFragment  
moveEnd  
moveStart  
parentElement  
select  
setStartBefore
```

Style

```
getPropertyValue  
setProperty
```

Event

```
initEvent  
preventDefault  
stopPropagation
```

XMLSerializer

```
serializeToString
```

XMLHTTP

```
open  
send
```

XMLDOM

```
loadXML
```

DOMParser

```
parseFromString
```