

### String Object Methods

Method	Description
charAt()	returns the character at the specified index
concat()	joins two or more strings, and returns a copy of the joined strings
indexOf()	returns the position of the first found occurrence of a specified value in a string
lastIndexOf()	returns the position of the last found occurrence of a specified value in a string
replace()	searches for a match between a substring (or regex) and a string, and replaces the matched substring with a new substring
search()	searches for a match between a regex and a string, and returns the position of the match
slice()	extracts a part of a string and returns a new string
split()	splits a string into an array of substrings
substr()	extracts the characters from a string, beginning at a specified start position, and through the specified number of character
substring()	extracts the characters from a string, between two specified indices
toLowerCase()	converts a string to lowercase letters
toUpperCase()	converts a string to uppercase letters
trim()	removes whitespace from both ends of a string
valueOf()	returns the primitive value of a String object
toString()	returns the value of a String object

### Math Object Methods

Method	Description
abs(x)	returns the absolute value of x
round(x)	rounds x to the nearest integer
ceil(x)	returns x, upwards to the nearest integer
floor(x)	returns x, rounded downwards to the nearest integer
exp(x)	returns the value of $E^x$
log(x)	returns the natural logarithm (base E) of x
max(x, y, z, ...)	returns the number with the highest value
min(x, y, z, ...)	returns the number with the lowest value
pow(x, y)	returns the value of x to the power of y ( $x^y$ )
sqrt(x)	returns the square root of x
random()	returns a random number between 0 and 1
sin(x)	returns the sine of x (x in radians)
cos(x)	returns the cosine of x (x in radians)
tan(x)	returns the tangent of an x

### Date Object Methods

Method	Meaning	Units
getFullYear()	4-digit year	2000, 2001, ...
getMonth()	month no.	0 - 11
getDate()	dat of month	0 - 31
getHours()	hour no.	0 - 23
getMinutes()	minute no.	0 - 59
getSeconds()	second no.	0 - 59

### Array Object Methods

Method	Description
concat()	joins two or more arrays, and returns a copy of the joined array

### Array Object Methods (cont)

indexOf()	search the array for an element and returns its position
join()	joins all elements of an array into a string
lastIndexOf()	search the array for an element, starting at the end, and returns its position
pop()	removes the last element of an array, and returns that element
push()	adds new elements to the end of an array, and returns the new length
reverse()	reverses the order of the elements in an array
shift()	removes the first element of an array, and returns that element
sort()	sorts the elements of an array
toString()	converts an array to a string, and returns the result
valueOf()	returns the primitive value of an array

### Number Object Methods

Method	Description
toExponential(x)	converts a number into an exponential notation
toFixed(x)	formats a number with x numbers of digits after the decimal point
toPrecision(x)	formats a number to x length
toString()	converts a Number object to a string
valueOf()	returns the primitive value of a Number object