

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 |