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| String |
| Method | **Description (returns the)** | **Method** | **Description (returns the)** |
| [charAt()](https://www.w3schools.com/jsref/jsref_charat.asp) | character at the specified index (position) | [slice()](https://www.w3schools.com/jsref/jsref_slice_string.asp) | Extracts a part of a string and returns a new string |
| [concat()](https://www.w3schools.com/jsref/jsref_concat_string.asp) | Joins two or more strings | [split()](https://www.w3schools.com/jsref/jsref_split.asp) | Splits a string into an array of substrings |
| [endsWith()](https://www.w3schools.com/jsref/jsref_endswith.asp) | Does string end with specified string/characters | [startsWith()](https://www.w3schools.com/jsref/jsref_startswith.asp) | Does string begins with specified characters |
| [includes()](https://www.w3schools.com/jsref/jsref_includes.asp) | Does string contains the specified string/characters | [substr()](https://www.w3schools.com/jsref/jsref_substr.asp) | Get characters, beginning at start position, and through the number of character |
| [indexOf()](https://www.w3schools.com/jsref/jsref_indexof.asp) | position of the first occurrence of a value | [substring()](https://www.w3schools.com/jsref/jsref_substring.asp) | Extracts the characters from a string, between two specified indices |
| [lastIndexOf()](https://www.w3schools.com/jsref/jsref_lastindexof.asp) | position of the last occurrence of a value | [toLowerCase()](https://www.w3schools.com/jsref/jsref_tolowercase.asp) | Creates a new string to lowercase letters |
| [localeCompare()](https://www.w3schools.com/jsref/jsref_localecompare.asp) | Compares two strings in the current locale | [toString()](https://www.w3schools.com/jsref/jsref_tostring_string.asp) | value of a String object |
| [match()](https://www.w3schools.com/jsref/jsref_match.asp) | Searches for a match against a regular expression, and matches | [toUpperCase()](https://www.w3schools.com/jsref/jsref_touppercase.asp) | Creates a new string to uppercase letters |
| [repeat()](https://www.w3schools.com/jsref/jsref_repeat.asp) | new string with a specified number of copies of an existing string | [trim()](https://www.w3schools.com/jsref/jsref_trim_string.asp) | Removes whitespace from both ends of a string |
| [replace()](https://www.w3schools.com/jsref/jsref_replace.asp) | Searches for a specified value, or a regular expression, and returns a new string where the specified values are replaced | [valueOf()](https://www.w3schools.com/jsref/jsref_valueof_string.asp) | primitive value of a String object |
| [search()](https://www.w3schools.com/jsref/jsref_search.asp) | Searches for a specified value, or regular expression, and position of the match |  |  |

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| Array |
| Method | **Description (returns the)** | **Method** | **Description (returns the)** |
| [concat()](https://www.w3schools.com/jsref/jsref_concat_array.asp) | Joins two or more arrays, and returns a copy of the joined arrays | [pop()](https://www.w3schools.com/jsref/jsref_pop.asp) | Removes the last element of an array, and returns that element |
| [copyWithin()](https://www.w3schools.com/jsref/jsref_copywithin.asp) | Copies array elements within the array, to and from specified positions | [push()](https://www.w3schools.com/jsref/jsref_push.asp) | Adds new elements to the end of an array, and new length |
| [every()](https://www.w3schools.com/jsref/jsref_every.asp) | Does every element in an array pass a test | [reduce()](https://www.w3schools.com/jsref/jsref_reduce.asp) | Reduce the values of an array to a single value (going left-to-right) |
| [fill()](https://www.w3schools.com/jsref/jsref_fill.asp) | Fill the elements in an array with a static value | [reduceRight()](https://www.w3schools.com/jsref/jsref_reduceright.asp) | Reduce the values of an array to a single value (going right-to-left) |
| [filter()](https://www.w3schools.com/jsref/jsref_filter.asp) | Creates a new array with every element in an array that pass a test | [reverse()](https://www.w3schools.com/jsref/jsref_reverse.asp) | Reverses the order of the elements in an array |
| [find()](https://www.w3schools.com/jsref/jsref_find.asp) | value of the first element that pass a test | [shift()](https://www.w3schools.com/jsref/jsref_shift.asp) | Removes first element and returns it |
| [findIndex()](https://www.w3schools.com/jsref/jsref_findindex.asp) | index of the first element that pass a test | [slice()](https://www.w3schools.com/jsref/jsref_slice_array.asp) | Selects a part of an array, and new array |
| [forEach()](https://www.w3schools.com/jsref/jsref_forEach.asp) | Calls a function for each array element | [some()](https://www.w3schools.com/jsref/jsref_some.asp) | Do any elements pass a test |
| [indexOf()](https://www.w3schools.com/jsref/jsref_indexof_array.asp) | Search for an element and returns position | [sort()](https://www.w3schools.com/jsref/jsref_sort.asp) | Sorts the elements of an array |
| [isArray()](https://www.w3schools.com/jsref/jsref_isarray.asp) | Checks whether an object is an array | [splice()](https://www.w3schools.com/jsref/jsref_splice.asp) | Adds/Removes elements from an array |
| [join()](https://www.w3schools.com/jsref/jsref_join.asp) | Joins all elements of an array into a string | [toString()](https://www.w3schools.com/jsref/jsref_tostring_array.asp) | Converts an array to a string, and result |
| [lastIndexOf()](https://www.w3schools.com/jsref/jsref_lastindexof_array.asp) | Search the array for an element, starting at the end, and returns its position | [unshift()](https://www.w3schools.com/jsref/jsref_unshift.asp) | Adds new elements to the beginning of an array, and new length |
| [map()](https://www.w3schools.com/jsref/jsref_map.asp) | Creates a new array with the result of calling a function for each array element | [valueOf()](https://www.w3schools.com/jsref/jsref_valueof_array.asp) | primitive value of an array |

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| Date |
| Method | **Description (returns the)** | **Method** | **Description (returns the)** |
| [getDate()](https://www.w3schools.com/jsref/jsref_getdate.asp) | day of the month (from 1-31)(UTC) | [setDate()](https://www.w3schools.com/jsref/jsref_setdate.asp) | Sets the day of the month (UTC) |
| [getDay()](https://www.w3schools.com/jsref/jsref_getday.asp) | day of the week (from 0-6)(UTC) | [setFullYear()](https://www.w3schools.com/jsref/jsref_setfullyear.asp) | Sets the year (UTC) |
| [getFullYear()](https://www.w3schools.com/jsref/jsref_getfullyear.asp) | year(UTC) | [setHours()](https://www.w3schools.com/jsref/jsref_sethours.asp) | Sets the hour (UTC) |
| [getHours()](https://www.w3schools.com/jsref/jsref_gethours.asp) | hour (from 0-23)(UTC) | [setMinutes()](https://www.w3schools.com/jsref/jsref_setminutes.asp) | Sets the minutes (UTC) |
| [getMilliseconds()](https://www.w3schools.com/jsref/jsref_getmilliseconds.asp) | milliseconds (from 0-999)(UTC) | [setMonth()](https://www.w3schools.com/jsref/jsref_setmonth.asp) | Sets the month (UTC) |
| [getMinutes()](https://www.w3schools.com/jsref/jsref_getminutes.asp) | minutes (from 0-59)(UTC) | [setSeconds()](https://www.w3schools.com/jsref/jsref_setseconds.asp) | Sets the seconds (UTC) |
| [getMonth()](https://www.w3schools.com/jsref/jsref_getmonth.asp) | month (from 0-11)(UTC) | [setTime()](https://www.w3schools.com/jsref/jsref_settime.asp) | Sets a date to a specified number of milliseconds after/before January 1, 1970 |
| [getSeconds()](https://www.w3schools.com/jsref/jsref_getseconds.asp) | seconds (from 0-59)(UTC) | [toDateString()](https://www.w3schools.com/jsref/jsref_todatestring.asp) | Converts the date portion of a Date object into a readable string(toLocaleDateString()) |
| [getTime()](https://www.w3schools.com/jsref/jsref_gettime.asp) | number of milliseconds since midnight Jan 1 1970, and a specified date | [toJSON()](https://www.w3schools.com/jsref/jsref_tojson.asp) | date as a string, formatted as a JSON date |
| [getTimezoneOffset()](https://www.w3schools.com/jsref/jsref_gettimezoneoffset.asp) | difference between UTC and local in minutes | toString() | Converts a Date object to a string (toLocaleString(),toUTC) |
| [now()](https://www.w3schools.com/jsref/jsref_now.asp) | number of milliseconds since midnight Jan 1, 1970 | [toTimeString()](https://www.w3schools.com/jsref/jsref_totimestring.asp) | Converts the time portion of a Date object to a string(toLocaleTimeString()) |
| [parse()](https://www.w3schools.com/jsref/jsref_parse.asp) | Parses a date string and number of milliseconds since January 1, 1970 | [valueOf()](https://www.w3schools.com/jsref/jsref_valueof_date.asp) | primitive value of a Date object |

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| Math |
| Property | **Description (returns the)** | **Property** | **Description (returns the)** |
| [E](https://www.w3schools.com/jsref/jsref_e.asp) | Returns Euler's number (approx. 2.718) | [LOG10E](https://www.w3schools.com/jsref/jsref_log10e.asp) | base-10 logarithm of E (approx. 0.434) |
| [LN2](https://www.w3schools.com/jsref/jsref_ln2.asp) | natural logarithm of 2 (approx. 0.693) | [PI](https://www.w3schools.com/jsref/jsref_pi.asp) | Returns PI (approx. 3.14) |
| [LN10](https://www.w3schools.com/jsref/jsref_ln10.asp) | natural logarithm of 10 (approx. 2.302) | [SQRT1\_2](https://www.w3schools.com/jsref/jsref_sqrt1_2.asp) | square root of 1/2 (approx. 0.707) |
| [LOG2E](https://www.w3schools.com/jsref/jsref_log2e.asp) | base-2 logarithm of E (approx. 1.442) | [SQRT2](https://www.w3schools.com/jsref/jsref_sqrt2.asp) | square root of 2 (approx. 1.414) |
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| Method | **Description (returns the)** | **Method** | **Description (returns the)** |
| [abs(x)](https://www.w3schools.com/jsref/jsref_abs.asp) | absolute value of x | [log(x)](https://www.w3schools.com/jsref/jsref_log.asp) | natural logarithm (base E) of x |
| [acos(x)](https://www.w3schools.com/jsref/jsref_acos.asp) | arccosine of x, in radians | [max(x, y, z, ..., n)](https://www.w3schools.com/jsref/jsref_max.asp) | number with the highest value |
| [asin(x)](https://www.w3schools.com/jsref/jsref_asin.asp) | arcsine of x, in radians | [min(x, y, z, ..., n)](https://www.w3schools.com/jsref/jsref_min.asp) | number with the lowest value |
| [atan(x)](https://www.w3schools.com/jsref/jsref_atan.asp) | Arctan between -PI/2 and PI/2 radians | [pow(x, y)](https://www.w3schools.com/jsref/jsref_pow.asp) | value of x to the power of y |
| [atan2(y, x)](https://www.w3schools.com/jsref/jsref_atan2.asp) | arctangent of the quotient of its arguments | [random()](https://www.w3schools.com/jsref/jsref_random.asp) | Returns a random number between 0 and 1 |
| [ceil(x)](https://www.w3schools.com/jsref/jsref_ceil.asp) | rounds upwards to the nearest integer | [round(x)](https://www.w3schools.com/jsref/jsref_round.asp) | Rounds x to the nearest integer |
| [cos(x)](https://www.w3schools.com/jsref/jsref_cos.asp) | cosine of x (x is in radians) | [sin(x)](https://www.w3schools.com/jsref/jsref_sin.asp) | sine of x (x is in radians) |
| [exp(x)](https://www.w3schools.com/jsref/jsref_exp.asp) | value of Ex | [sqrt(x)](https://www.w3schools.com/jsref/jsref_sqrt.asp) | square root of x |
| [floor(x)](https://www.w3schools.com/jsref/jsref_floor.asp) | Rounds downwards to the nearest integer | [tan(x)](https://www.w3schools.com/jsref/jsref_tan.asp) | tangent of an angle |

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| Number |
| Property | **Description** |  |  |
| [constructor](https://www.w3schools.com/jsref/jsref_constructor_number.asp) | function that created JavaScript's Number prototype | [NaN](https://www.w3schools.com/jsref/jsref_number_nan.asp) | Represents a "Not-a-Number" value |
| [MAX\_VALUE](https://www.w3schools.com/jsref/jsref_max_value.asp) | largest number possible in JavaScript | [MIN\_VALUE](https://www.w3schools.com/jsref/jsref_min_value.asp) | smallest number possible in JavaScript |
| [POSITIVE\_INFINITY](https://www.w3schools.com/jsref/jsref_positive_infinity.asp) | Represents infinity (returned on overflow) | [NEGATIVE\_INFINITY](https://www.w3schools.com/jsref/jsref_negative_infinity.asp) | Represents negative infinity (returned on overflow) |
| Method | **Description** |  |  |
| [isInteger()](https://www.w3schools.com/jsref/jsref_isinteger.asp) | Checks whether a value is an integer | [isNaN()](https://www.w3schools.com/jsref/jsref_isnan_number.asp) | Checks whether a value is Number.NaN |
| [toFixed(x)](https://www.w3schools.com/jsref/jsref_tofixed.asp) | Formats a number with x numbers of digits after the decimal point | [toPrecision(x)](https://www.w3schools.com/jsref/jsref_toprecision.asp) | Formats a number to x length |
| [toString()](https://www.w3schools.com/jsref/jsref_tostring_number.asp) | Converts a number to a string | [valueOf()](https://www.w3schools.com/jsref/jsref_valueof_number.asp) | primitive value of a number |