JavaScript Built-in Functions

Global Functions

parseInt() - Parses a string argument and returns an integer.

parseFloat() - Parses a string argument and returns a floating-point number.

isNaN() - Determines whether a value is NaN (Not-a-Number).

isFinite() - Determines whether a number is finite.

eval() - Evaluates JavaScript code represented as a string.

decodeURI() - Decodes a Uniform Resource Identifier (URI).

decodeURIComponent() - Decodes a URI component.

encodeURI() - Encodes a URI into a valid format.

encodeURIComponent() - Encodes a URI component.

String Methods

charAt() - Returns the character at a specified index.

concat() - Concatenates two or more strings.

includes() - Checks if a string contains a specified substring.

indexOf() - Returns the index of the first occurrence of a value.

lastIndexOf() - Returns the last occurrence index of a value.

slice() - Extracts part of a string.

substring() - Extracts characters between two indices.

toLowerCase() - Converts a string to lowercase.

toUpperCase() - Converts a string to uppercase.

trim() - Removes whitespace from both ends of a string.

replace() - Replaces a specified substring with another.

split() - Splits a string into an array of substrings.

Array Methods

push() - Adds one or more elements to the end of an array.

pop() - Removes the last element from an array.

shift() - Removes the first element from an array.

unshift() - Adds one or more elements to the beginning of an array.

concat() - Merges two or more arrays.

join() - Joins array elements into a string.

slice() - Returns a shallow copy of part of an array.

splice() - Adds/removes items to/from an array.

indexOf() - Returns the first index of a specified value.

lastIndexOf() - Returns the last index of a specified value.

forEach() - Executes a function for each array element.

map() - Creates a new array with results of a function.

filter() - Creates a new array with elements passing a test.

reduce() - Executes a reducer function on array elements.

some() - Checks if some elements pass a test.

every() - Checks if all elements pass a test.

find() - Returns the first element that satisfies a condition.

findIndex() - Returns the index of the first matching element.

sort() - Sorts array elements in place.

reverse() - Reverses the order of array elements.

Math Functions

Math.abs() - Returns the absolute value of a number.

Math.ceil() - Rounds a number up.

Math.floor() - Rounds a number down.

Math.round() - Rounds a number to the nearest integer.

Math.max() - Returns the largest of the numbers.

Math.min() - Returns the smallest of the numbers.

Math.random() - Returns a random number between 0 and 1.

Math.pow() - Returns base to the exponent power.

Math.sqrt() - Returns the square root of a number.

Number Methods

toFixed() - Formats a number with fixed-point notation.

toExponential() - Returns a number in exponential notation.

toPrecision() - Formats a number to a specified length.

toString() - Converts a number to a string.

valueOf() - Returns the primitive value of a number.

Object Methods

Object.keys() - Returns an array of object keys.

Object.values() - Returns an array of object values.

Object.entries() - Returns an array of key-value pairs.

Object.assign() - Copies properties from source to target object.

Object.freeze() - Freezes an object to prevent modifications.

Object.seal() - Prevents adding/removing properties but allows modification.

Object.create() - Creates a new object with specified prototype.

Date Methods

getDate() - Returns the day of the month.

getDay() - Returns the day of the week.

getFullYear() - Returns the year.

getMonth() - Returns the month.

getHours() - Returns the hours.

getMinutes() - Returns the minutes.

getSeconds() - Returns the seconds.

getTime() - Returns the number of milliseconds since 1970.

setDate() - Sets the day of the month.

setFullYear() - Sets the year.

setMonth() - Sets the month.

setHours() - Sets the hours.

JSON Methods

JSON.parse() - Parses a JSON string into an object.

JSON.stringify() - Converts an object to a JSON string.