

JavaScript String Methods

Method	Description	Example
length	Returns the length of a string	'hello'.length // 5
charAt()	Returns the character at a given index	'hello'.charAt(1) // 'e'
charCodeAt()	Returns the Unicode of the character at an index	'A'.charCodeAt(0) // 65
at()	Returns character at given index (supports negative indexes)	'hello'.at(-1) // 'o'
concat()	Joins two or more strings	'Hello'.concat(' World') // 'Hello World'
toUpperCase()	Converts to uppercase	'hello'.toUpperCase() // 'HELLO'
toLowerCase()	Converts to lowercase	'HELLO'.toLowerCase() // 'hello'
trim()	Removes whitespace from both ends	' hi '.trim() // 'hi'
trimStart()	Trims whitespace from start only	' hi '.trimStart() // 'hi '
trimEnd()	Trims whitespace from end only	' hi '.trimEnd() // ' hi'
includes()	Checks if a substring exists	'cat'.includes('a') // true
startsWith()	Checks if string starts with given text	'hello'.startsWith('he') // true
endsWith()	Checks if string ends with given text	'hello'.endsWith('lo') // true
indexOf()	Returns the first index of a match	'hello'.indexOf('l') // 2
lastIndexOf()	Returns the last index of a match	'hello'.lastIndexOf('l') // 3
replace()	Replaces first match	'cat'.replace('c', 'b') // 'bat'
replaceAll()	Replaces all matches	'foo foo'.replaceAll('o', 'a') // 'faa faa'
slice()	Extracts part of a string	'abcdef'.slice(1, 4) // 'bcd'
substring()	Extracts part of a string (can swap indexes)	'abcdef'.substring(4, 1) // 'bcd'
substr()	Extracts substring by length (deprecated)	'abcdef'.substr(1, 3) // 'bcd'
split()	Splits string into array	'a,b,c'.split(',') // ['a','b','c']
match()	Returns array of matches	'abc123'.match(/\d+/) // ['123']
matchAll()	Returns all matches with groups	Array.from('abc123abc456'.matchAll(/abc(\d+)/g))
search()	Returns index of match or -1	'hello123'.search(/\d/) // 5

repeat()	Repeats string	'ha'.repeat(3) // 'hahaha'
padStart()	Pads from start to reach length	'5'.padStart(3, '0') // '005'
padEnd()	Pads from end	'5'.padEnd(3, '0') // '500'
localeCompare()	Compares two strings	'a'.localeCompare('b') // -1
toString()	Returns string representation	(123).toString() // '123'
valueOf()	Returns primitive string value	new String('hi').valueOf() // 'hi'