JavaScript Reference

Primitive Data Types

Data Types	Description
Integer numbers	Positive or negative numbers, with no decimal places
Floating-point numbers	Positive or negative numbers with decimal places or numbers written within exponential notation
Boolean	Logical value of true or false
String	Text string
Undefined	A variable that has never had a value assigned to it, has not been declared, or does not exist
Null	An empty value

Built-in JavaScript functions

Functions	Description
Eval()	Evaluates expression contained within string
isFinite()	Determine whether a number is finite
isNaN()	Determines whether a value is he special value NaN (Not a Number)
parseInt()	Converts string literals to integers
parseFloat()	Converts string literals to floating-point numbers
encodeURL()	Encodes a text string so that it becomes a valid UTL
decodeeURL()	Decodes text strings encoded with encodeURL()

Array Class	Description
Array()	Array object constructor
concat()	Combines two arrays into a single array
join()	Combines all elements of an array into a string
pop()	Removes and returns a new array element
push()	Adds and returns a new array element
reverse()	Transposes elements of an array
shift()	Removes and returns the first element from an array
slice()	Creates a new array from a section of an existing array
splice()	Adds or removes array elements
sort()	Sorts elements of an array
unshift()	Adds new elements to the start of an array and returns the new array length
Properties	Description
length	Returns the number of elements in an array

Date Class	Description
Date()	Data object constructor
getDate()	Returns the date of a Date object
getDay()	Returns the day of a Date object
getFullYear()	Returns the year of a Date object in four-digit format
getHours()	Returns the hour of a Date object
getMillisseconds()	Returns the milliseconds of a Date object
getMinutes()	Returns the minutes of a Date object
getMonth()	Returns the month of a Date object
getSeconds()	Returns the seconds a Date object
getTime()	Returns the time of a Date object
getTimezoneOffset()	Returns the time difference between the user's computer and Greenwich Mean Time (GMT)
getUTCDate()	Returns the date of a Date object in Coordinated Universal Time (UTC)
getUTXDay()	Returns the day of a Date object in Coordinated Universal Time (UTC)
getUTCFullYear()	Returns the four-digit year of a Date object in Coordinated Universal Time (UTC)
getYear()	Returns the year of a Date object
parse()	Returns a string containing the number of milliseconds since January 1, 1970
setDate()	Sets the date of a Date object
setFullYear()	Sets the year of a Date object in four-digit format
setHours()	Sets the hour of a Date object
setMillisseconds()	Sets the milliseconds of a Date object
setMinutes()	Sets the minutes of a Date object
setMonth()	Sets the month of a Date object
setSeconds()	Sets the seconds a Date object
toString()	Convert a Date object to a string

Math Class	Description
abs(x)	Returns the absolute value of x
ceil(x)	Returns the value of x rounded to the next highest integer
floor(x)	Returns the value of x rounded to the next lowest integer
max(x, y)	Returns the larger of two numbers
min(x, y)	Returns the smaller of two numbers
pow(x, y)	Returns the value of x raised to the y power
random()	Returns a random number
round(x)	Returns the value of x rounded to the nearest integer
sqrt()	Returns the square of x

Properties	Description
PI	A constant representing the ration of the circumference of a circle to its diameter, which is approximately 3.1415265
SQRT2	The square root of 2, which is approximately 1.4142135

Number Class	Description
Number()	Number object constructor
toExponential()	Converts a number to a string in exponential notation using a specified number of decimal places
toFixed()	Converts a number to a string with a specified number of decimal places
toLocaleString()	Converts a number to a string that is formatted with local numeric formatting conventions
toPrecesion()	Converts a number to a string with a specific number of decimal places, either in exponential notation on in fixed notation
toString()	Convert a number object to a string
Properties	Description
MAX_VALUE	The largest positive number that can be used in JavaScript
MIN_VALUE	The smallest positive number that can be used in JavaScript
NaN	The value NaN
NEGATIVE_INFINITY	The value of negative infinity
POSITIVE_INFINITY	The value of positive infinity