



Because of this, in JavaScript, ~ 5 will not return 10. It will return -6.

typeof {name:'John', age:34} // Returns object

typeof new Date() // Returns object

typeof function () {} // Returns function

• The data type of an undefined variable is undefined

You cannot use **typeof** to define if a JavaScript object is an array (or a date).

var person = {firstName:"John", lastName:"Doe", age:50, eyeColor:"blue"};

The delete operator deletes both the value of the property and the property itself.

After deletion, the property cannot be used before it is added back again.

Bit operators work on 32 bits numbers. Any numeric operand in the operation is converted into a 32 bit

 $x = \sim 5$

 $x = 5 ^ 1$

x = 5 << 1

x = 5 >> 1

The examples above uses 4 bits unsigned examples. But JavaScript uses 32-bit signed numbers.

~0101

0101 ^ 0001

0101 << 1

0101 >> 1

Decimal

1

5

10

4

10

2

Result

0001

0101

1010

0100

1010

0010

JavaScript Bitwise Operators

NOT

XOR

Left shift

Right shift

^

<<

>>

The typeof Operator				
The typeof operator returns the type of a variable, object, function or expression:				
Example				
typeof "John"	// Returns string			
typeof 3.14	// Returns number			
typeof NaN	// Returns number			
typeof false	// Returns boolean			
typeof [1, 2, 3, 4]	// Returns object			

// Returns undefined (if myCar is not declared)

// Returns object

The **delete** operator deletes a property from an object: Example

Try it Yourself »

The in Operator

typeof myCar

typeof null

Please observe:

Try it Yourself »

The data type of NaN is number

The data type of an array is object

• The data type of a date is object

• The data type of null is object

The delete Operator

Note: The delete operator should not be used on predefined JavaScript object properties. It can crash your application.

// Returns true

// Returns true

delete person.age; // or delete person["age"];

The delete operator is designed to be used on object properties. It has no effect on variables or functions.

The **in** operator returns true if the specified property is in the specified object, otherwise false:

The instanceof Operator

cars instanceof Array;

cars instanceof Number;

cars instanceof Object; // Returns true

cars instanceof String; // Returns false

"age" in person

// Predefined objects

"length" in String

Try it Yourself »

"PI" in Math // Returns true

"NaN" in Number // Returns true

Example
var cars = ["Saab", "Volvo", "BMW"];

// Returns true

// Returns false

The **instanceof** operator returns true if the specified object is an instance of the specified object:

```
The void Operator

O operador void avalia uma expressão e retorna indefinido. Este operador é freqüentemente usado para obter o valor primitivo indefinido, usando "void (0)" (útil ao avaliar uma expressão sem usar o valor de retorno).

Exemplo

(a href="javascript:void(0);">
```

Click me to change the background color of body to red Tente você mesmo "

REPORTAR ERRO

Principais tutoriais

HTML Tutorial

CSS Tutorial

JavaScript Tutorial

How To Tutorial

SQL Tutorial

Python Tutorial

W3.CSS Tutorial

Bootstrap Tutorial

PHP Tutorial

Java Tutorial

Useless link

Anterior Próximo >

FÓRUM

Top References

HTML Reference

CSS Reference

JavaScript Reference

SQL Reference

Python Reference

W3.CSS Reference

Bootstrap Reference

PHP Reference

HTML Colors

Java Reference

C++ Tutorial jQuery Tutorial	Angular Reference jQuery Reference	XML Examples jQuery Examples	C# Course XML Course
			Get Certified »
·	izagem e treinamento. Os exemplos podem s s para evitar erros, mas não podemos garan lido e aceito nossos termos de uso	tir a correção total de todo o conteúdo. Ac	•
	Copyright 1999-2021 de Refsnes E		

CERCA DE

Top Examples

HTML Examples

CSS Examples

JavaScript Examples

How To Examples

SQL Examples

Python Examples

W3.CSS Examples

Bootstrap Examples

PHP Examples

Java Examples

FAZER COMPRAS

Web Courses

HTML Course

CSS Course

JavaScript Course

Front End Course

SQL Course

Python Course

PHP Course

jQuery Course

Java Course

C++ Course