

# Inbuilt Function





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# JavaScript

**JavaScript (JS)** is a lightweight, interpreted, or [just-in-time](#) compiled programming language with [first-class functions](#). While it is most well-known as the scripting language for Web pages, [many non-browser environments](#) also use it, such as [Node.js](#), [Apache CouchDB](#) and [Adobe Acrobat](#) . JavaScript is a [prototype-based](#), multi-paradigm, single-threaded, dynamic language, supporting object-oriented, imperative, and declarative (e.g. functional programming) styles. Read more [about JavaScript](#)

This section is dedicated to the JavaScript language itself, and not the parts that are specific to Web pages or other host environments. For information about [API](#) specifics to Web pages, please see [Web APIs](#) and [DOM](#).

The standards for JavaScript are the [ECMAScript Language Specification](#) (ECMA-262) and the [ECMAScript Internationalization API specification](#) (ECMA-402). The JavaScript documentation throughout MDN is based on the latest draft versions of ECMA-262 and ECMA-402. And in cases where some [proposals for new ECMAScript features](#) have already been implemented in browsers, documentation and examples in MDN articles may use some of those new features.

Do not confuse JavaScript with the [Java programming language](#) . Both "Java" and "JavaScript" are trademarks or registered trademarks of Oracle in the U.S. and other countries. However, the two programming languages have very different syntax, semantics, and use.

Looking to become a front-end web developer?

## Code 1 : using toString vs Number()

```
var num1 = 12;
var num2 = 13;

num1 = num1.toString();
num2 = num2.toString();
console.log(num1, num2);

var x = "21";
x = Number(x);
console.log(typeof(x));
```

## Code 2 : lastIndexOf

```
var animals = ['Dodo', 'Tiger', 'Penguin', 'Dodo'];
console.log(animals.lastIndexOf("Dodo"));

var people = ["jamna das", "pandu", "kalicharan", "elaichi", "oggy", "pandu"];
console.log(people.lastIndexOf("jerry"));
```

### Code 3 : indexOf

```
var animals = ['Dodo', 'Tiger', 'Penguin', 'Dodo'];
console.log(animals.indexOf("Dodo"));

var people = ["jamna das", "pandu", "kalicharan", "elaichi", "oggy", "pandu"];
console.log(people.indexOf("jerry"));
```

### Code 4 : shift

```
var people = [1,2,3];
var x = people.shift();

console.log(people);
console.log("removed",x);
```

### Code 5 : unshift

```
var arr = [1,2,3];
arr.unshift(4,5,6,7);
console.log(arr);
```

### Code 6 : join

```
// Part 1 : Using Bag

var arr = ["M","A","N"];
var bag="";
for(var i=0; i<arr.length; i++)
{
    bag = bag + arr[i];
}

console.log(bag);

// Part 2 : Using Bag
```

```
var bag = arr.join();  
console.log(bag);
```

### Code 7 : custom join

```
function customJoin(arr, char)  
{  
  
    if(char == undefined)  
    {  
        char = ",";  
    }  
  
    var bag="";  
    for(var i=0; i<arr.length; i++)  
    {  
        if(i != arr.length-1)  
        {  
            bag = bag + arr[i] + char;  
        }  
        else  
        {  
            bag = bag + arr[i];  
        }  
    }  
  
    return bag;  
}  
  
var arr = ["M","A","N"];  
console.log(customJoin(arr));
```

### Code 8 : Slice

```
var animals = ["cat", "dog", "rat", "lion"];  
var x = animals.slice(1,3);  
console.log(x);  
console.log(animals);  
  
var animals = ["cat", "dog", "rat", "lion"];  
var manu = animals.splice(2);  
console.log("Manu :",manu);  
console.log("Original",animals);
```

### Code 9 : toLowerCase() vs toUpperCase()

```
var sentence = 'The quick brown fox jumps over the lazy dog.';
console.log(sentence.toLowerCase());
```

```
var sentence = 'The quick brown fox jumps over the lazy dog.';
console.log(sentence.toUpperCase());
```

### Code 10 : indexOf

```
var paragraph = 'The quick brown fox jumps over the lazy dog. If the dog barked, was it really lazy?';
var searchTerm = 'dog';
```

```
var indexOfFirst = paragraph.indexOf(searchTerm);
console.log(indexOfFirst);
```

### Code 11 : split()

```
str = 'The quick      brown fox';
var x = str.split(" ");
console.log(x);
```

### Code 12 : Custom split mySplit()

```
function mySplit(str)
{
    var output = [];
    var bag = "";

    for(var i=0; i<str.length; i++)
    {
        if(str[i] != " ")
        {
            bag = bag + str[i];
        }
        else
        {
            if(bag != ""){
                output.push(bag);
            }
            bag = "";
        }
    }
}
```

```
    }  
  }  
  output.push(bag);  
  return output;  
}  
  
var str = "The quick      brown fox";  
console.log(mySplit(str));
```