# forEach()

The forEach() method executes a provided function once for each array element.

var array1 = ['a', 'b', 'c'];

array1.forEach(function(element) {

  console.log(element);

});

// expected output: "a"

// expected output: "b"

// expected output: "c"

## Syntax:

arr.forEach(callback(currentValue [, index [, array]])[, thisArg]);

### **Parameters**

**callback**

Function to execute on each element, taking three arguments:

**currentValue**

The current element being processed in the array.

**index**Optional

The index of the current element being processed in the array.

**array** Optional

The array forEach() was called upon.

**thisArg** Optional

Value to use as this when executing *callback*.

### **Return value**

undefined

const companies= [

  {name: "Company One", category: "Finance", start: 1981, end: 2004},

  {name: "Company Two", category: "Retail", start: 1992, end: 2008},

  {name: "Company Three", category: "Auto", start: 1999, end: 2007},

  {name: "Company Four", category: "Retail", start: 1989, end: 2010},

  {name: "Company Five", category: "Technology", start: 2009, end: 2014},

  {name: "Company Six", category: "Finance", start: 1987, end: 2010},

  {name: "Company Seven", category: "Auto", start: 1986, end: 1996},

  {name: "Company Eight", category: "Technology", start: 2011, end: 2016},

  {name: "Company Nine", category: "Retail", start: 1981, end: 1989}

];

const ages = [33, 12, 20, 16, 5, 54, 21, 44, 61, 13, 15, 45, 25, 64, 32];

// forEach(item, index, totalItems) takes three parameters

companies.forEach((company, index, companies)=>{

    console.log(`${index+1}-${company.name}`);

})