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no

env support

Feature name	Current browser	98%	36%	84%	98%	99%	97%	98%	98%	98%	99%	74%	89%	72%	97%	84%	98%	97%
		es5-shim	IE 9	IE 10+	FF 21+	SF 6+	SF TP	WebKit	CH 23+, OP 15+	OP 12.10	Konq 4.13	BESEN	Rhino 1.7	PhantomJS 2.0	EJS	Android 4.4+	iOS7/8	
Object/array literal extensions	►	5/5	0/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	5/5	3/5	3/5	2/5	5/5	3/5	5/5	5/5
Object static methods	►	13/13	1/13	13/13	13/13	13/13	13/13	13/13	13/13	13/13	13/13	13/13	13/13	13/13	13/13	13/13	13/13	13/13
Array methods	▼	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
Array.isArray	⦿	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Array.prototype.indexOf	⦿	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Array.prototype.lastIndexOf	⦿	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Array.prototype.every	⦿	Yes	Yes ^[4]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Array.prototype.some	⦿	Yes	Yes ^[4]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Array.prototype.forEach	⦿	Yes	Yes ^[4]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Array.prototype.map	⦿	Yes	Yes ^[4]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Array.prototype.filter	⦿	Yes	Yes ^[4]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Array.prototype.reduce	⦿	Yes	Yes ^[4]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Array.prototype.reduceRight	⦿	Yes	Yes ^[4]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
String properties and methods	►	2/2	1/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
Date methods	►	3/3	3/3	3/3	3/3	2/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3	2/3	2/3	3/3	2/3
Function.prototype.bind	⦿	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON	⦿	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Immutable globals	►	3/3	0/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3	0/3	3/3	3/3
Miscellaneous	►	8/11	4/11	9/11	9/11	10/11	9/11	9/11	9/11	8/11	10/11	1/11	3/11	2/11	9/11	3/11	8/11	9/11
Strict mode	►	16/16	0/16	0/16	16/16	16/16	16/16	16/16	16/16	16/16	16/16	0/16	16/16	0/16	16/16	16/16	16/16	16/16

forEach()

traditional for loop

```
function sum(arr){  
  var sum = 0;  
  for (var i = 0, len = arr.length; i < len; i++){  
    sum += arr[i];  
  }  
  
  return sum;  
}
```

for...in

```
function sum(arr){  
    var sum = 0;  
    for (var i in arr){  
        if (arr.hasOwnProperty(i))  
            sum += arr[i];  
    }  
  
    return sum;  
}
```

forEach()

```
function sum(arr){  
  var sum = 0;  
  arr.forEach(function(value){  
    sum += value;  
  });  
  
  return sum;  
}
```

forEach - args

- callback function:
 - value
 - index
 - array
- (thisArg)

forEach – +/-

```
function findSomething(arr, item){  
  for (var i = 0, len = arr.length; i < len; i++){  
    if (matches(arr[i], item))  
      return arr[i];  
  }  
}
```

```
function findSomething(arr, item){  
  arr.forEach(function(value){  
    if (matches(value, item))  
      return value;  
  });  
}
```


forEach – +/-

```
function makeIncrementingArray(arr){  
    var result = [];  
  
    for (var i = 0, len = arr.length; i < len; i++){  
        result[i] = function(){  
            return arr[i]++;  
        };  
    }  
  
    return result;  
}
```

forEach - +/-

```
function makeIncrementingArray(arr){  
    var result = [];  
  
    arr.forEach(function(value, i){  
        result[i] = function(){  
            return arr[i]++;  
        };  
    });  
  
    return result;  
}
```

map()

map - uses

```
function parseInts(arr){  
    return arr.map(parseInt);  
}  
  
function toUsernames(arr){  
    return arr.map(function(value){  
        return value.username;  
    });  
}  
  
function makeAlternatingColors(arr){  
    var colors = ['aliceblue', 'chartreuse'];  
    return arr.map(function(value, i){  
        return colors[i % 2];  
    })  
}
```

map - args

- callback
 - value
 - index
 - array
- (thisArg)

filter()

filter - uses

```
function removeFalsey(arr){  
  return arr.filter(function(value){  
    return value;  
  });  
}  
  
function getEvenValues(arr){  
  return arr.filter(function(value, i){  
    return i % 2; //index 0 is item #1  
  });  
}  
  
function.getItemsByState(arr, state){  
  return arr.filter(function(value){  
    return value.state === state;  
  });  
}
```

filter - args

- callback
 - value
 - index
 - array
- (thisArg)

reduce()

reduce - args

- callback
 - previousValue
 - currentValue
 - index
 - array
- (initialValue)

reduce – uses

```
function sum(arr){  
  return arr.reduce(function(prev, curr){  
    return prev + curr;  
  });  
}
```

```
function makeExistenceLookup(arr){  
  ⚡ return arr.reduce(function(prev, curr){  
    prev[curr] = true;  
    return prev;  
  }, {});  
}
```

reduce – stepping through

```
function sum(arr){  
  return arr.reduce(function(prev, curr){  
    return prev + curr;  
  });  
}  
sum([5, 10, 20]);
```

(previousValue, currentValue, index, array)

- `callback(5, 10, 1, arr) => 15`
- `callback(15, 20, 2, arr) => 35`

reduce – trouble ahead

```
function sum(arr){  
    return arr.reduce(function(prev, curr){  
        return prev + curr;  
    });  
}  
sum([5]);
```

reduce – trouble ahead

```
function sum(arr){  
  return arr.reduce(function(prev, curr){  
    return prev + curr;  
  });  
}  
sum([]);
```

reduce – stepping through

```
function sumFixed(arr){  
  return arr.reduce(function(prev, curr){  
    return prev + curr;  
  }, 0);  
}  
sum([5, 10, 20]);
```

(previousValue, currentValue, index, array)

- `callback(0, 5, 0, arr) => 5`
- `callback(5, 10, 1, arr) => 15`
- `callback(15, 20, 2, arr) => 35`

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- that *is* the title

Here are some links

[ES5 Compatibility](#)

[MDN: Array](#)

[MDN: Array.forEach](#)

[MDN: Array.map](#)

[MDN: Array.filter](#)

[MDN: Array.reduce](#)

<https://github.com/jessebahr/js-array-talk>