



JavaScript Arrays cheatsheet

Arrays

```
list = [a,b,c,d,e]
```

```
list[1]          // → b  
list.indexOf(b)  // → 1
```

Adding items

Mutable

```
list.push(X)      // list == [...,_,_,_,X]  
list.unshift(X)   // list == [X,...,_,_,_]_  
list.splice(2, 0, X) // list == [...,X,...,_,_]_
```

Immutable

```
list.concat([X,Y]) // → [...,_,_,_,X,Y]
```

Replace items

```
list.splice(2, 1, X) // list == [a,b,X,d,e]
```

Iterables

```
.filter(n => ...) => array
```

```
.find(n => ...) // es6  
.findIndex(...) // es6
```

```
.every(n => ...) => Boolean // ie9+  
.some(n => ..) => Boolean // ie9+
```

```
.map(n => ...) // ie9+  
.reduce((total, n) => total) // ie9+  
.reduceRight(...)
```

Subsets

Immutable

```
list.slice(0,1)    // → [a      ]  
list.slice(1)      // → [ b,c,d,e]  
list.slice(1,2)    // → [ b      ]
```

Mutable

```
re = list.splice(1) // re = [b,c,d,e] list == [a]  
re = list.splice(1,2) // re = [b,c] list == [a,d,e]
```

Inserting

```
// after -- [...,_,REF,NEW,...]  
list.splice(list.indexOf(REF)+1, 0, NEW))
```

```
// before -- [...,_,NEW,REF,...]  
list.splice(list.indexOf(REF), 0, NEW))
```

Removing items

```
list.pop()        // → e list == [a,b,c,d]  
list.shift()      // → a list == [b,c,d,e]  
list.splice(2, 1) // → [c] list == [a,b,d,e]
```



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