

spread, rest, destructuring...

```
const [, host] = id.split('@')

let [a, b] = [0, 1]

const { a } = { a: 3 } // a = 3

let [first] = [0, 1] // _.first

const {realName: alias} = {realName: 2} // alias
=== 2

function verify User({ realName: alias }) { //
using alias }

function defaults({ a, b } = { a: 1, b: 2 }) {}

[a, b] = [b, a] // swap

// Pass to function that expects separate multiple
arguments
// Much like Function.prototype.apply() does
let numbers = [9, 4, 7, 1];
Math.min(...numbers); // 1

[...document.querySelectorAll('div')] //
NodeList to Array

[...arguments] // function arguments to array
function logArguments (...args) {} // another way

let user = { first: "Chris", last: "Burgin" }
let userCopy = {...user}; // new object, not by ref

console.log({myVar, otherVar})
```

arrays

```
[...Array(3)] // [0, 1, 2]

let ages = [12, 19, 6, 4];
ages.find(age => age >= 18); // 19
ages.findIndex(age => age >= 18); // 1

// de-duplicate array (not collection)
dedupe = array => [...new Set(array)]
```

jsx

strings

```
string.includes(substring)

let numString = `${num}`; // cast to string

// string to array
const str = " aab bcc aaa aaa acc c";
const result = [...str]
```

classes

```
// abstract class
class Note {
  constructor() {
    if (new.target === Note) {
      throw new Error('Directly constructed.')
    }
  }
}
```

await / async

```
function getJSON(url) {
  return new Promise(function(resolve,
  reject) {
    request(url, function(err, res, body) {
      resolve(body);
    });
  });
}

//
async function main() {
  try{
    var data = await getJSON();
    console.log(data); // NOT undefined!
  } catch(e){}
}

//
main();
```

```
<c { ...{ foo: 1 } } foo={2} />
```

```
<c { ...{ user, fudge, bits } } />
```

math

```
~-1 = 0
```

functions

```
{ let c = 1 } // scoped function

f => f // noop

const throwI fMi ssing = () => {
  throw new Error( 'Mi ssing parame ter' );
}

const func = (requi red Param = throwI fMi ssi -
ng()) => {}
```



By **softmaniac**

cheatography.com/softmaniac/

Not published yet.

Last updated 2nd June, 2018.

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