

Some Syntactic Sugar



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Introduction



Syntax Changes

Just Cleaner Implementation

Shortcut Notations



Function Defaults



```
function sum(x,y){  
    return x+y;  
}  
  
console.log(sum(0)); // returns NaN
```

Function Defaults

Function params are weird in JS.



```
function sum(x, y) {  
    y = y || 0;  
    x = x || 0;  
    return x+y;  
}  
console.log(sum(0)); // returns 0
```

Function Defaults

Ugly validation code...



```
function sum(x,y){  
    if(typeof y === 'undefined'){  
        y=0;  
    }  
    return x+y;  
}  
console.log(sum(0)); // returns 0
```

Function Defaults

Ugly validation code...



```
function sum(x=0,y=0){  
    return x+y;  
}  
console.log(sum(0)); // returns 0
```

Function Defaults

Simplifies the validation process... =



```
function product(x, y=x) {  
    return x*y;  
}  
console.log(product(2)); // returns 4
```

Function Defaults

Enables the use of variables as well... =



Rest Parameters



```
function log(level,...args) {  
  
}
```

Rest Parameters

Introduces the `...args` syntax



```
function log(level, first, second, third) {  
  
}
```

Rest Parameters

Takes 1,2,3 and makes [1,2,3]



Spread Operator



[1, 2, 3] -> 1, 2, 3

Spread Operator
Changes Array to CSV



Object Literals



For Of



Template Literals



Destructuring



Summary



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