

# ES6 top-up

(See archive for code samples)

# ES6/2015

- Destructuring.
- The spread operator.
- Default arguments.

# Destructuring

- **Assigning the properties of an array or object to variables using a declarative style rather than an imperative/procedural style..**

## **Instead of:**

```
let nums = [10, 11, 12]  
let v1 = nums[0]  
let v2 = nums[1]  
let v3 = nums[2]
```

## **Use:**

```
let [v1, v2, v3] = nums
```

## **Instead of:**

```
let obj = { alpha:100,  
            beta: 'enterprise'}  
let alpha = obj.alpha  
let beta = obj.beta
```

## **Use :**

```
let {alpha, beta} = obj;
```

- **See 01\_destructuring.js**

# The Spread (...) operator

- JS arrays and objects are iterables.
- The spread operator allows an iterable to expand in places where 0+ arguments are expected.
- Syntax:
  - ...ArrayRef
  - ...objectRef
- See 02\_spread.js

# Default arguments

```
function add(x = 1, y = 2) {  
    return x + y;  
}  
  
console.log(add(5));           // 7  
console.log(add(undefined, 1)); // 2  
console.log(add());            // 3
```

