JAVASCRIPT□□□□

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this

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```
// □□□□□□□□□
        function foo() {
            console.log(this.fruit);
        }
        // □□□□□□□□□□□□□window.fruit = "apple";
        var fruit = "apple";
        // □□□□foo□this□□window□□
        // □□□□□□□□window.foo();□□□□□□
        foo();  // "apple"

        // □□□□□□□□□□□□□□□□□□foo□□□□□□foo
        var pack = {
            fruit: "orange",
            foo: foo
        };
        // □□□□foo□this□□window.pack□□
        pack.foo(); // "orange"
```

□□□□apply□call□□□□□□□□□this□□□□□□□

```
// □□□□□□□□□
```

```
        function foo() {
            console.log(this.fruit);
        }

        // □□□□□□□□□
        var fruit = "apple";
        // □□□□□□□□
        var pack = {
            fruit: "orange"
        };

        // □□□window.foo();
        foo.apply(window);  // "apple"
        // □□foo□□this === pack
        foo.apply(pack);    // "orange"
```

□□apply□call□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□JavaScript□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
// □□□□□□□□□
        function foo() {
            if (this === window) {
                console.log("this is window.");
            }
        }

        // □□foo□□□□□□□□□□□□foo□□□boo□□□□□
        foo.boo = function() {
            if (this === foo) {
                console.log("this is foo.");
            } else if (this === window) {
                console.log("this is window.");
            }
        };
        // □□□window.foo();
        foo();  // this is window.

        // □□□□□□□this□□□□□□□□□□
        foo.boo();  // this is foo.

        // □□apply□□□□□this□□□
```

```
        foo.boo.apply(window);  // this is window.
```

prototype

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```
// □□□□
        function Person(name) {
            this.name = name;
        }
        // □□Person□□□□□□□□□□□□□□□□□□□□
        Person.prototype = {
            getName: function() {
                return this.name;
            }
        }
        var zhang = new Person("ZhangSan");
        console.log(zhang.getName());   // "ZhangSan"
```

□□□□□□□□□□JavaScript□□□□□□ – □□□□String□□□□□Number□□□□□Array□□□□□Object□□□□□Date□□□ □□□□□□□□□JavaScript□□□□□□□□□□□□□□□□□□□□□□

```
// □□□□□□□□□□□□JavaScript□□□□□□□□
        function Array() {
            // ...
        }

        // □□□□□□□□
        var arr1 = new Array(1, 56, 34, 12);
        // □□□□□□□□□□□□□□□□□
        var arr2 = [1, 56, 34, 12];
```

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```
// □JavaScript□□□□Array□□□□□□□□□□□□
        Array.prototype.min = function() {
```

```
            var min = this[0];
            for (var i = 1; i < this.length; i++) {
                if (this[i] < min) {
                    min = this[i];
                }
            }
            return min;
        };

        // □□□Array□□□□□□min□□
        console.log([1, 56, 34, 12].min());  // 1
```

□□□□□□□□□□□□Array□□□□□□□□□□□□□□□□for-in□□□□□□□□□□□□□□□□□□□□□□□□

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```
var arr = [1, 56, 34, 12];
        var total = 0;
        for (var i in arr) {
            total += parseInt(arr[i], 10);
        }
        console.log(total);   // NaN
```

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```
var arr = [1, 56, 34, 12];
        var total = 0;
        for (var i in arr) {
            if (arr.hasOwnProperty(i)) {
                total += parseInt(arr[i], 10);
            }
        }
        console.log(total);   // 103
```

constructor

constructor□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
// □□□ var foo = new Array(1, 56, 34, 12);
        var arr = [1, 56, 34, 12];
        console.log(arr.constructor === Array); // true
        // □□□ var foo = new Function();
```

```
        var Foo = function() { };
        console.log(Foo.constructor === Function); //
true
        // □□□□□□□□□□□obj□□
        var obj = new Foo();
        console.log(obj.constructor === Foo); // true

        // □□□□□□□□□□□□□□□□□□□□□□
        console.log(obj.constructor.constructor ===
Function); // true
```

□□□constructor□□prototype□□□□□□□□□□□□

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```
function Person(name) {
            this.name = name;
        };
        Person.prototype.getName = function() {
            return this.name;
        };
        var p = new Person("ZhangSan");

        console.log(p.constructor === Person);  // true
        console.log(Person.prototype.constructor ===
Person); // true
        // □□□□□□□□□□□□□□□□
        console.log(p.constructor.prototype.constructor
=== Person); // true
```

□□□□□□□□□□□□□prototype□□□□□□□□□□□□□□□□□□□□□□□□□□□□ constructor□□□□□□□□□□□□□□□□

```
function Person(name) {
            this.name = name;
        };
        Person.prototype = {
            getName: function() {
                return this.name;
            }
        };
        var p = new Person("ZhangSan");
```

```
        console.log(p.constructor === Person);  //
false
        console.log(Person.prototype.constructor ===
Person); // false
        console.log(p.constructor.prototype.constructor
=== Person); // false
```

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□□□□□□□Person.prototype□□□□□□□□□□□□□□□

```
Person.prototype = new Object({
            getName: function() {
                return this.name;
            }
        });
```

□constructor□□□□□□□□□□□□□□□□□□□Person.prototype.constructor ===
Object□□□□

```
function Person(name) {
            this.name = name;
        };
        Person.prototype = {
            getName: function() {
                return this.name;
            }
        };
        var p = new Person("ZhangSan");
        console.log(p.constructor === Object);  // true
        console.log(Person.prototype.constructor ===
Object); // true
        console.log(p.constructor.prototype.constructor
=== Object); // true
```

□□□□□□□□□□□□□□□□□□□□□□□□Person.prototype.constructor□□□

```
function Person(name) {
            this.name = name;
        };
        Person.prototype = new Object({
            getName: function() {
```

```
                return this.name;
            }
        });
        Person.prototype.constructor = Person;
        var p = new Person("ZhangSan");
        console.log(p.constructor === Person);  // true
        console.log(Person.prototype.constructor ===
Person); // true
        console.log(p.constructor.prototype.constructor
=== Person); // true
```