

- 1.
- 2.
- 3.
4. ReduxcreateStore

1. JS
- 2.
- 3.
- 4.

setTimeoutsetIntervalsetImmediate

Promiseprocess.nextTickMutationObserver

```
console.log('A1');

setTimeout(() => {
  console.log('A2');
  Promise.resolve().then(() => {
    console.log('A3');
  });
}, 0);

Promise.resolve().then(() => {
  console.log('A4');
});

// A1 -> A4 -> A2 -> A3
```

1. **proto**
2. prototype
- 3.
- 4.
- 5.

- 1.
2. VueVuethis

# JS

JS

- UndefinedNullBooleanNumberStringSymbolES6
- ObjectArrayFunctionDateRegExp

typeof

instanceofObject.prototype.toString

```
var arr = [1, 2, 3];  
console.log(arr instanceof Array); // true
```

Object.prototype.toString

```
var obj = {};  
console.log(Object.prototype.toString.call(obj)); // "[object Object]"  
  
var arr = [];  
console.log(Object.prototype.toString.call(arr)); // "[object Array]"
```

NaNInfinity- Infinitynumbertypeof

- 1.
- 2.

```
//  
let a = 10;  
let b = a;  
b = 5;  
console.log(a); // 10
```

```
//  
let xiaoming = {  
  name: 'xiaoming',  
  age: 18  
}  
let xiaoli = xiaoming;  
xiaoli.name = 'xiaoli',  
console.log(xiaoming.name); // xiaoli
```

- 3.

Copy

1. JSOM

2.

ReactshouldComponentUpdate

Lodash\_clone

JS

undefined

1.

```
console.log(myName); // undefined  
var myName = 'XiaoMing';
```

2.

```
sayHello(); // "Hello, XiaoMing!"  
function sayHello() {  
  console.log('Hello, ' + myName + '!');  
}
```

## this

- callapplythiscallapply
- bindbindcallapplybind
- thisthis

•

```
const sum = (a, b) => a + b;
```

- return

```
const double = (x) => x * 2;
```

- thisthisthisthisthis,this

## letconst

- letconst{}
- letconstvar
- const

JS

callback -> Promise -> async/await

## callback

## Promise

PromiseES6PromisependingfulfilledrejectedPromisependingfulfilled  
rejectedthen()catch()

## async/await

async/awaitES8async/awaitPromiseasyncaawait

## Symbol

SymbolSymbol

- Symbol

```
const obj = {};  
const s1 = Symbol();  
const s2 = Symbol();  
obj[s1] = 'foo';  
obj[s2] = 'bar';  
console.log(obj); // { [Symbol()]: 'foo', [Symbol()]: 'bar' }
```

- Symbol

```
const MY_CONSTANT = Symbol('my_constant');  
console.log(MY_CONSTANT); // Symbol(my_constant)
```

- SymbolSymbol
- Symbol for...of

```
const obj = {  
  [Symbol.iterator]: function*() {  
    yield 1;  
    yield 2;  
    yield 3;  
  }  
};  
for (const x of obj) {  
  console.log(x);  
}  
// :  
// 1  
// 2  
// 3
```

**JS**

C

JavaGoPythonJS

Rust

360

- 1.
- 2.

1. CORSCORSOPTIONS
2. devServerNginx
3. JSONPscriptsrcPostJSONPAPIJSONP

**url**

1. DNSDNSURLIP
2. TCPTCP
3. HTTPTCPHTTP
4. HTTP
5. HTMLDOMCSSCSSOMJSDOMCSSOM
- 6.

Cache-ControlExpires

ETag

Last-Modified /ETag

If-Modified-Since/ If-None-Match Last-Modified/ETag

If-Modified-Since/If-None-Match304 Not Modified

23classJava

JS

VueEventBusAxiosNode