

ES(N)异步编程

by Simba

实现一个sleep

sleep

```
function sleep(delay, callback) {
    setTimeout(callback, delay)
}
sleep(5000, function(){
    //...
})
```

sleep

```
sleep(5000, function(){
    // do sth
    ...
    // one more time
    sleep(5000, function(){
        ...
    })
})
```

通过Promise来实现

Promise

```
function sleep(delay) {
  return new Promise(function(resolve, reject){
    setTimeout(function(){
       resolve();
    }, delay)
sleep(5000).then(function(){
  //...
  return sleep(5000)
}).then(do)
```

Promise

```
function sleep(delay) {
  return function(){
   return new Promise(function(resolve, reject){
      setTimeout(function(){
        resolve();
      }, delay)
```

sleep(5000).then(do).then(sleep(5000)).then(...)

```
function sleep(delay) {
  return new Promise(function(resolve, reject){
    setTimeout(function(){
       resolve();
    }, delay)
async function do(){
  await sleep(5000);
```

```
async function do(){
  try{
  //返回resolve结果
  var a = await sleep(5000);
  for(var i=0; i<10; i++){
     await sleep();
  }catch(e){}
```

- async模块
- Babel
- Node7+

目标:写更高效更优雅的代码

```
桌面 — -bash — 74×38
bogon:Desktop Simba$ node -v
v7.0.0
bogon:Desktop Simba$
```

参考文档

写一个符合 Promises/A+ 规范并可配合 ES7 async/await 使用的 Promise https://zhuanlan.zhihu.com/p/23312442

关于Promise

https://aotu.io/notes/2016/01/08/promise/

THANKS FOR YOUR WATCHING

