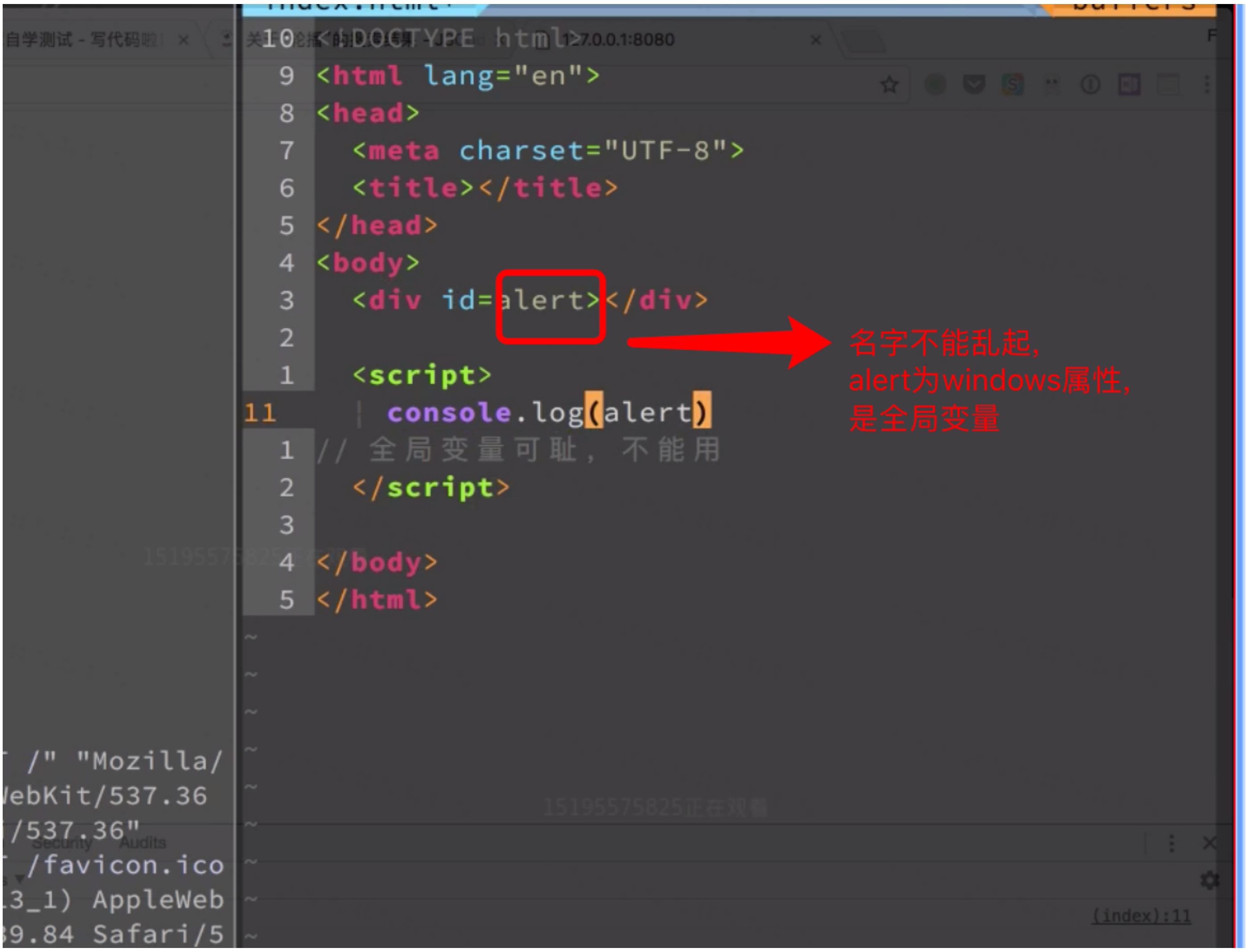
let

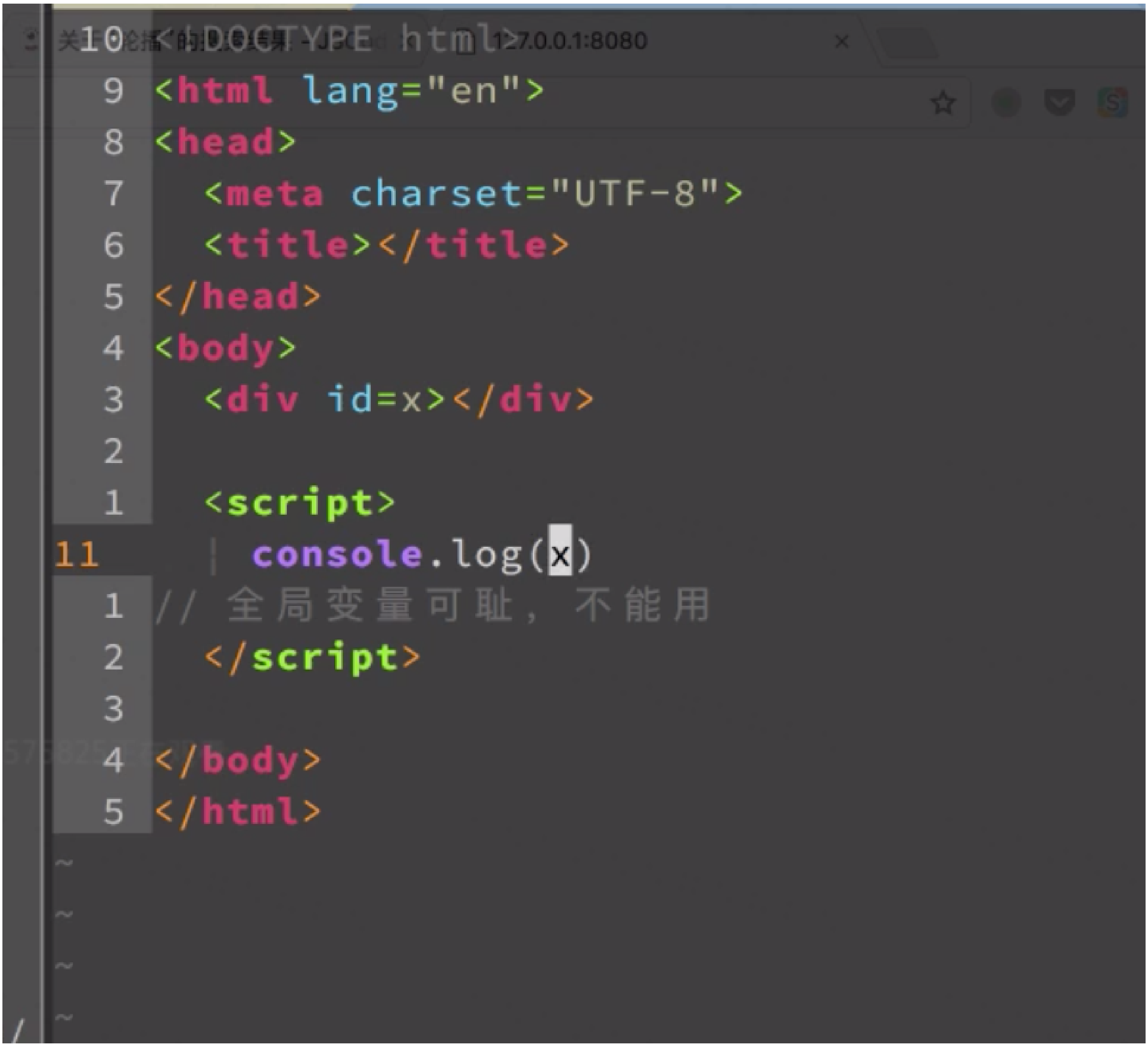
立即执行函数



```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title></title>
</head>
<body>
  <div id=alert></div>

  <script>
    console.log(alert)
// 全局变量可耻，不能用
  </script>

</body>
</html>
```

名字不能乱起,
alert为windows属性,
是全局变量

正确:

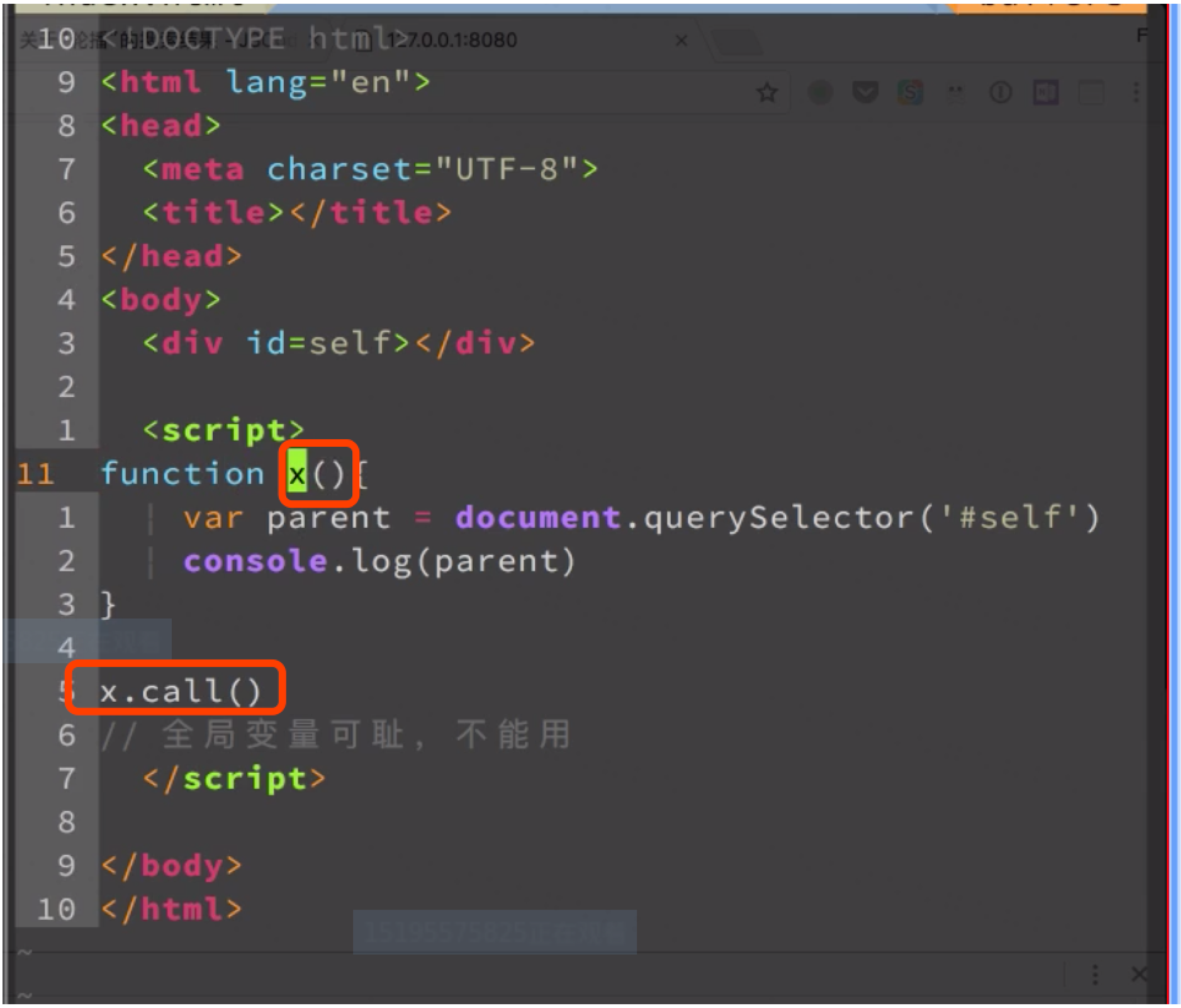


```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title></title>
</head>
<body>
  <div id=x></div>

  <script>
    console.log(x)
// 全局变量可耻，不能用
  </script>

</body>
</html>
```

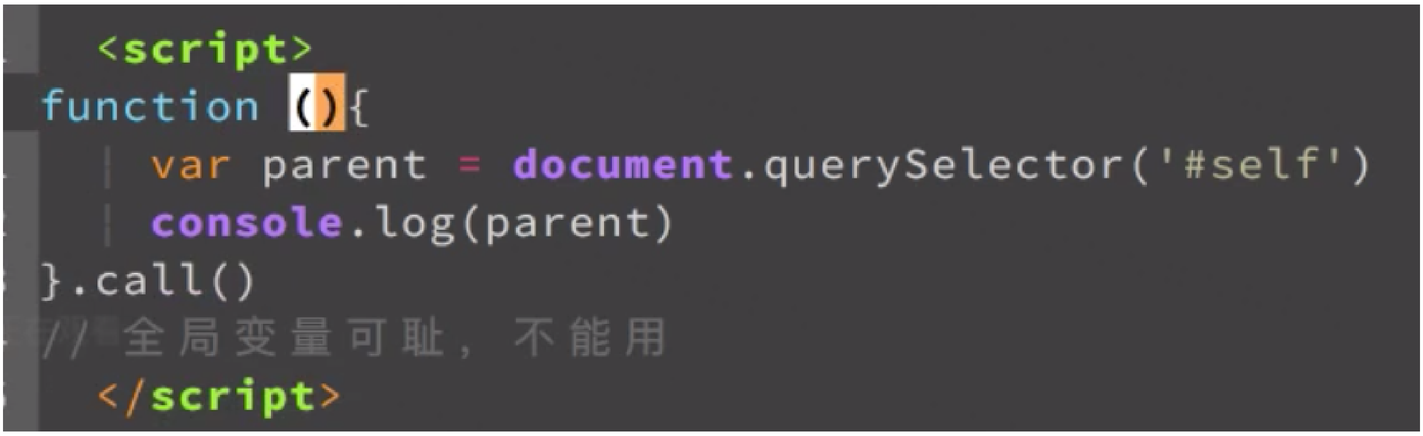
测试代码:(这里不要用全局变量,这里要么你把全局变量覆盖,要么全局变量把你覆盖!)

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Title</title>
</head>
<body>
<div id= self>  </div>
<script>
    var parent = document.querySelector('#self')
    console.log(parent)
</script>
</body>
</html>

```

立即调用:



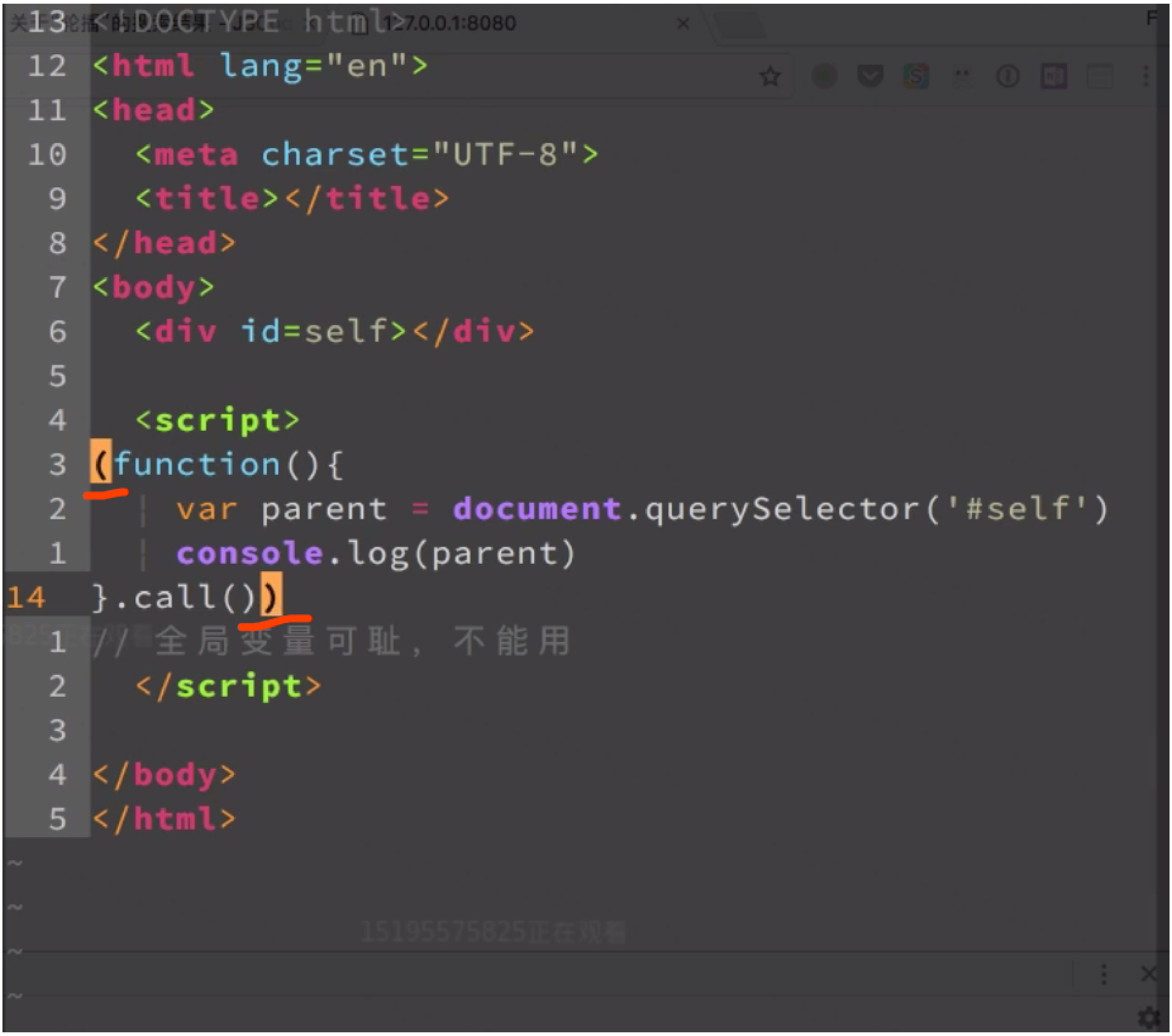
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title></title>
</head>
<body>
  <div id=self></div>

  <script>
function x(){
    var parent = document.querySelector('#self')
    console.log(parent)
}

x.call()
// 全局变量可耻，不能用
  </script>

</body>
</html>
```



```
  <script>
function (){
    var parent = document.querySelector('#self')
    console.log(parent)
}.call()
// 全局变量可耻，不能用
  </script>
```

上面这种写法浏览器会报错;

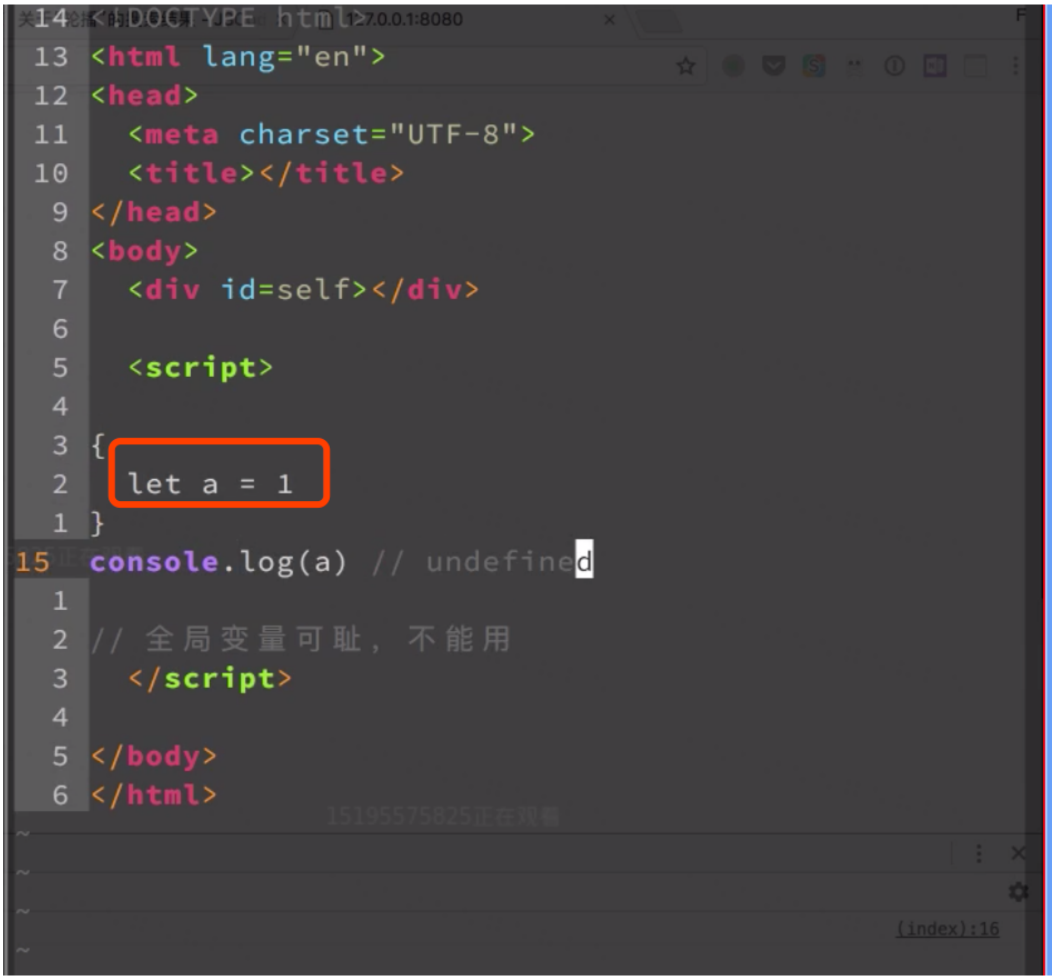
用下面这种:



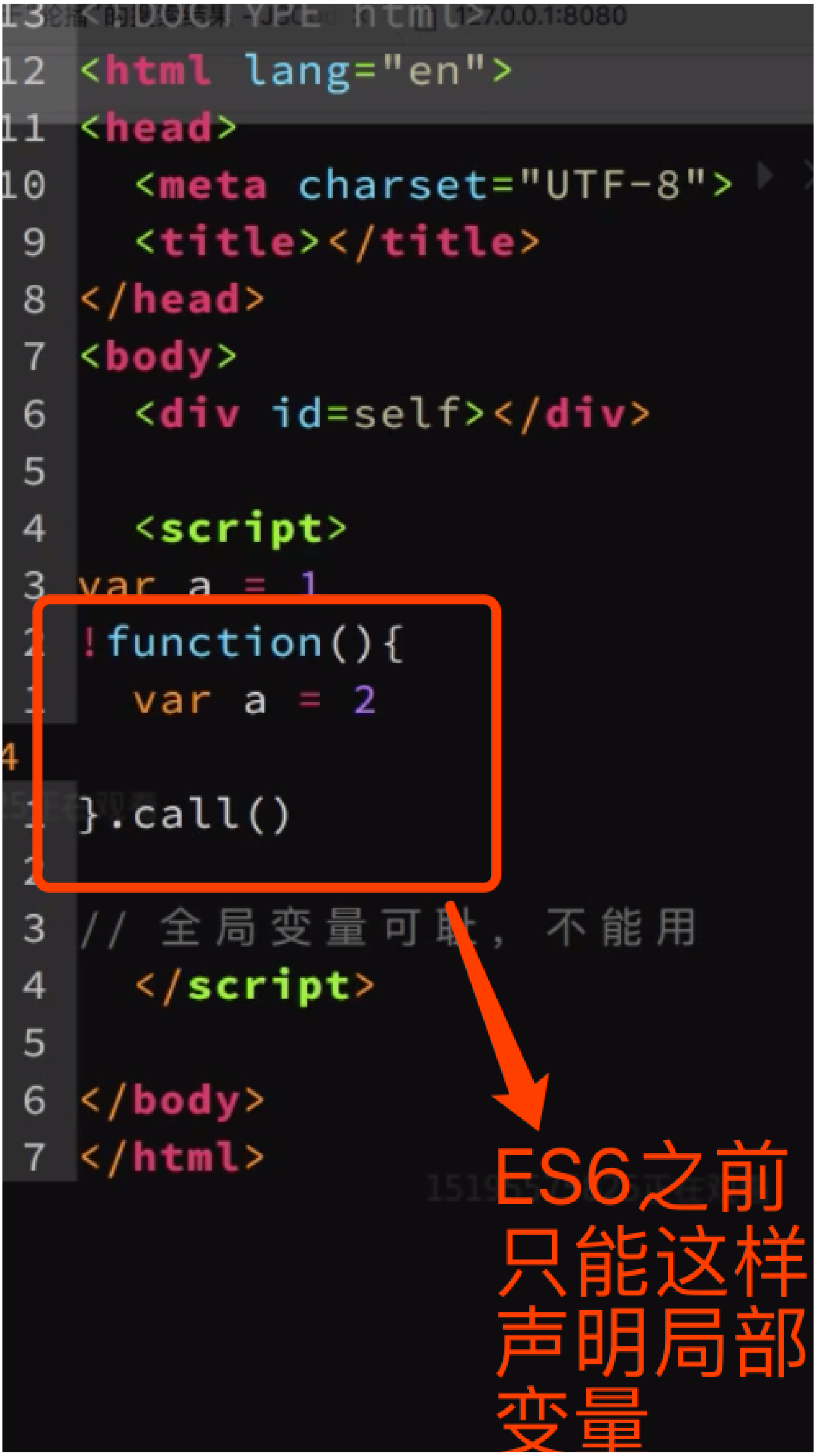
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title></title>
</head>
<body>
  <div id=self></div>

  <script>
(function(){
    var parent = document.querySelector('#self')
    console.log(parent)
}.call())
// 全局变量可耻，不能用
  </script>

</body>
</html>
```

let

let让变量只在 `{}` 里面有用!



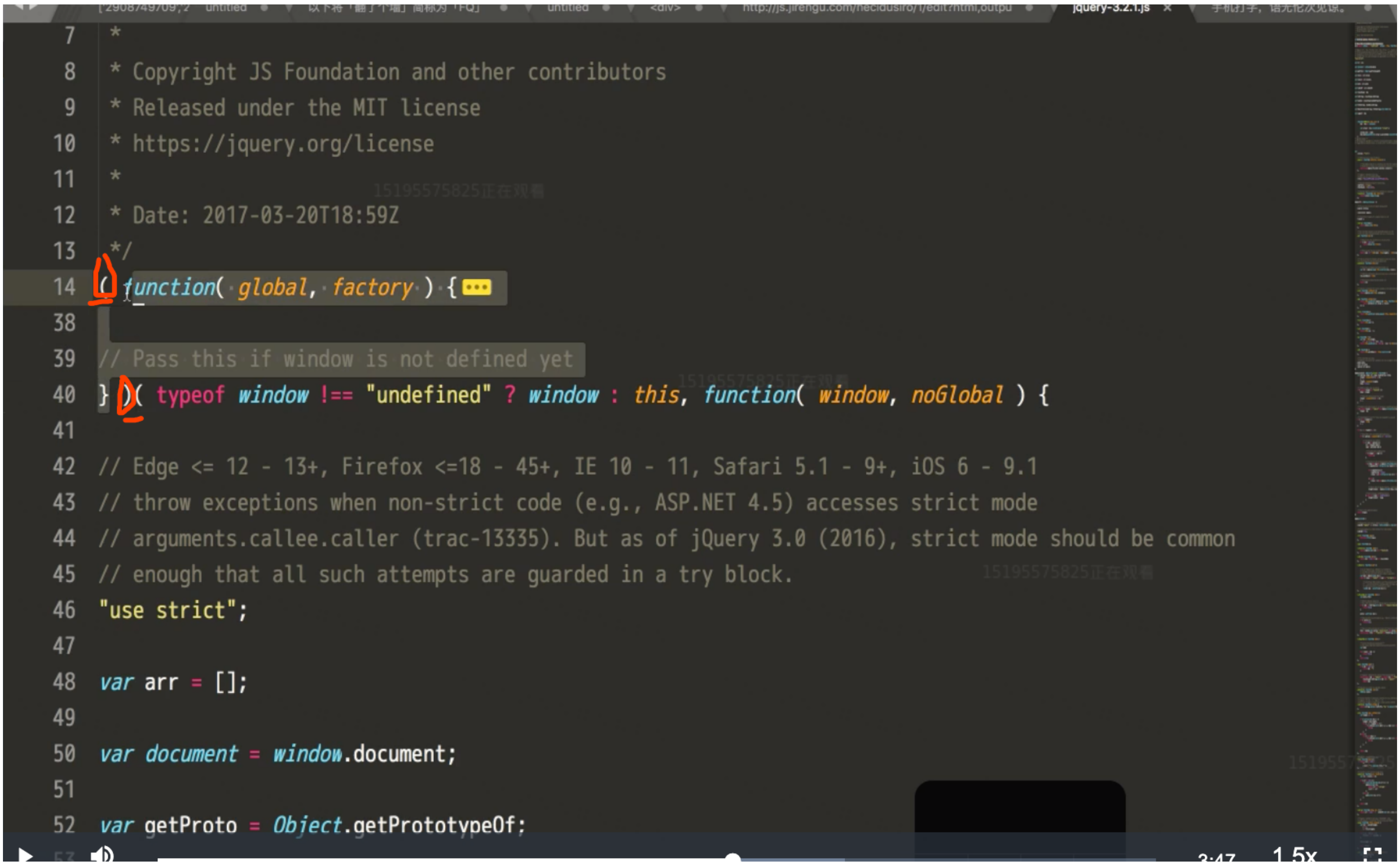
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title></title>
</head>
<body>
  <div id=self></div>

  <script>

{
  let a = 1
}
console.log(a) // undefined

// 全局变量可耻，不能用
  </script>

</body>
</html>
```



```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title></title>
</head>
<body>
  <div id=self></div>

  <script>
var a = 1
!function(){
  var a = 2

}.call()

// 全局变量可耻，不能用
  </script>

</body>
</html>
```

立即执行函数

立即执行函数:(不想覆盖任何全局变量就用立即执行函数!)



```
 *
 * Copyright JS Foundation and other contributors
 * Released under the MIT license
 * https://jquery.org/license
 *
 * Date: 2017-03-20T18:59Z
 */
( function( global, factory ) {•••

// Pass this if window is not defined yet
} )( typeof window !== "undefined" ? window : this, function( window, noGlobal ) {

// Edge <= 12 - 13+, Firefox <=18 - 45+, IE 10 - 11, Safari 5.1 - 9+, iOS 6 - 9.1
// throw exceptions when non-strict code (e.g., ASP.NET 4.5) accesses strict mode
// arguments.callee.caller (trac-13335). But as of jQuery 3.0 (2016), strict mode should be common
// enough that all such attempts are guarded in a try block.
"use strict";

var arr = [];

var document = window.document;

var getProto = Object.getPrototypeOf;
```