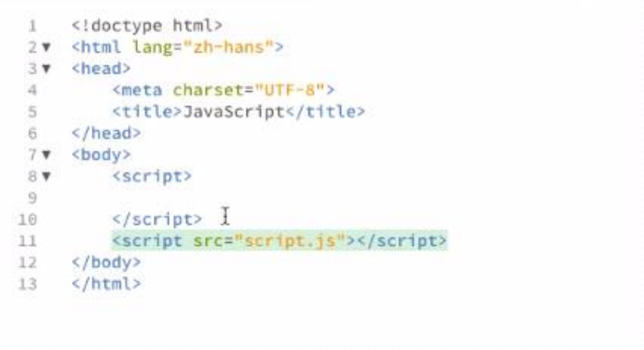
# JavaScript学习

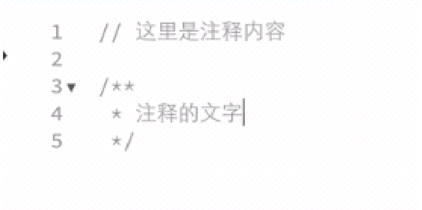
2024年1月22日 23:38

2、在网页中嵌入脚本代码的方法：



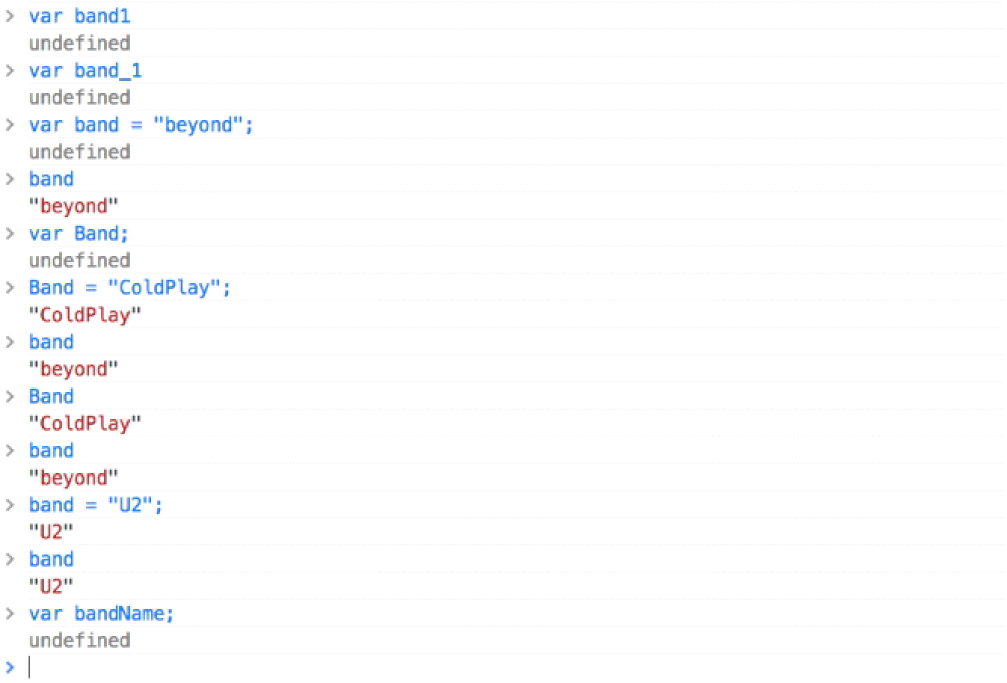
```
<!doctype html>
<html lang="zh-hans">
<head>
    <meta charset="UTF-8">
    <title>JavaScript</title>
</head>
<body>
    <script>

    </script>
    <script src="script.js"></script>
</body>
</html>
```

3、注释



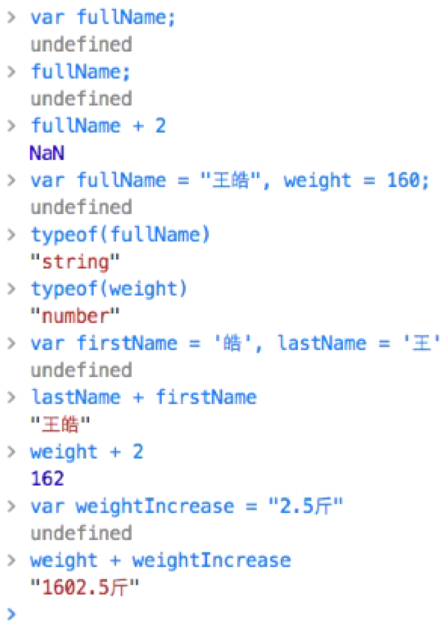
```
// 这里是注释内容

/**
 * 注释的文字
 */
```

4、变量



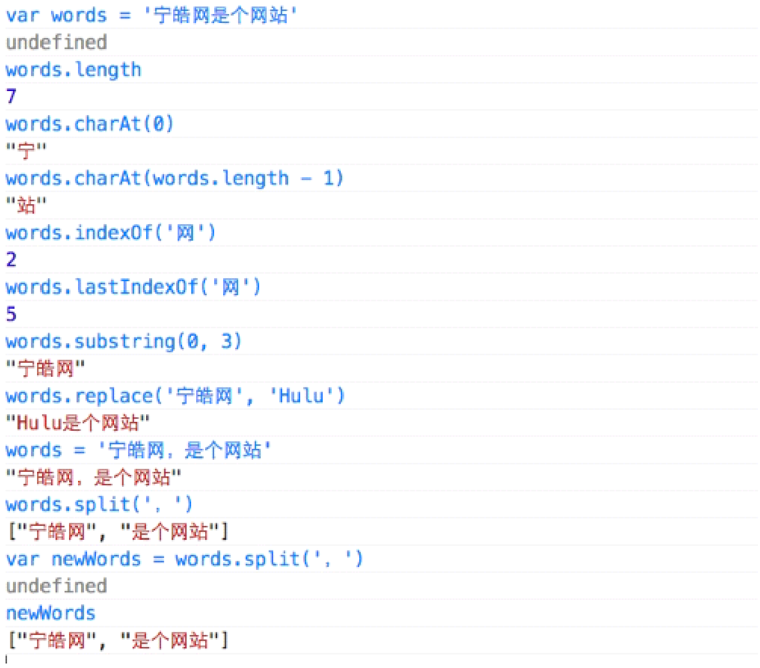
```
> var band1
  undefined
> var band_1
  undefined
> var band = "beyond";
  undefined
> band
  "beyond"
> var Band;
  undefined
> Band = "ColdPlay";
  "ColdPlay"
> band
  "beyond"
> Band
  "ColdPlay"
> band
  "beyond"
> band = "U2";
  "U2"
> band
  "U2"
> var bandName;
  undefined
>
```

5、数据类型、数字、文字、真假



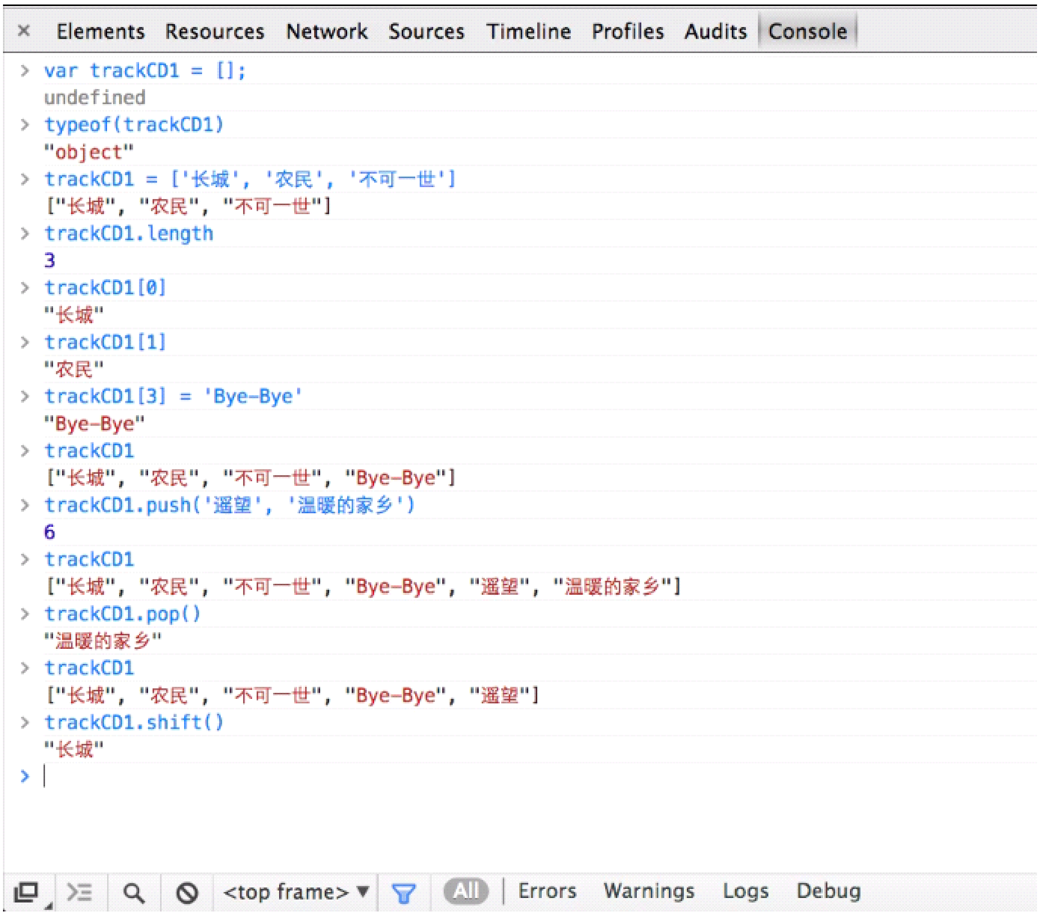
```
> var fullName;
  undefined
> fullName;
  undefined
> fullName + 2
  NaN
> var fullName = "王皓", weight = 160;
  undefined
> typeof(fullName)
  "string"
> typeof(weight)
  "number"
> var firstName = '皓', lastName = '王'
  undefined
> lastName + firstName
  "王皓"
> weight + 2
  162
> var weightIncrease = "2.5斤"
  undefined
> weight + weightIncrease
  "1602.5斤"
>
```

6、string

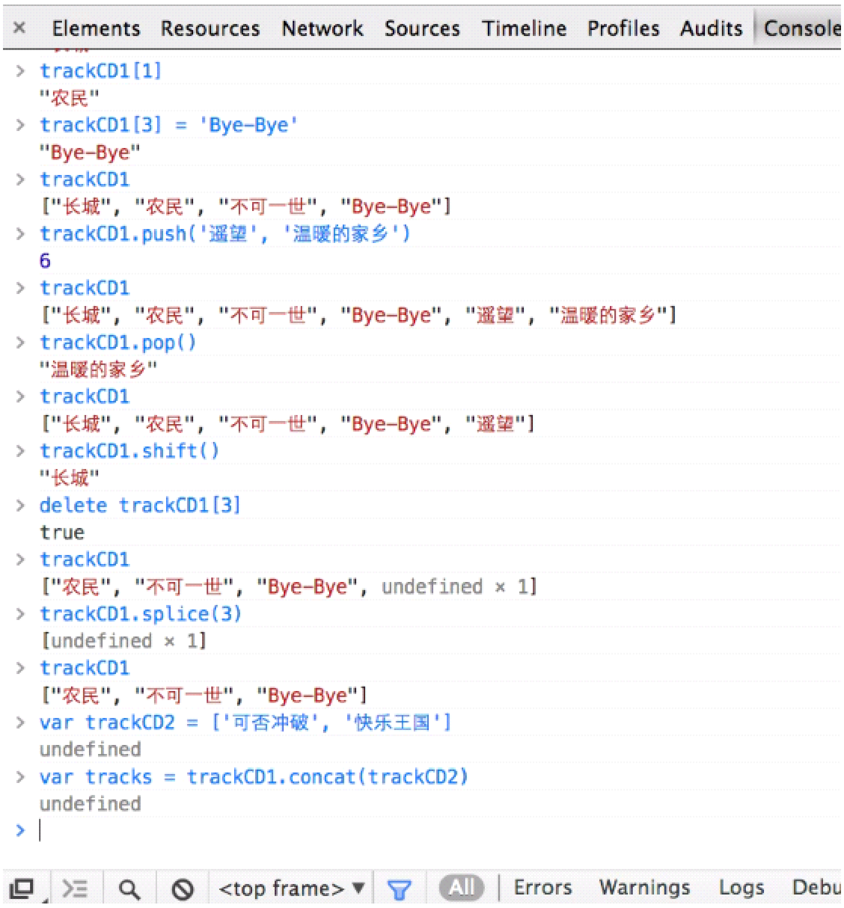


```
var words = '宁皓网是个网站'
undefined
words.length
7
words.charAt(0)
"宁"
words.charAt(words.length - 1)
"站"
words.indexOf('网')
2
words.lastIndexOf('网')
5
words.substring(0, 3)
"宁皓网"
words.replace('宁皓网', 'Hulu')
"Hulu是个网站"
words = '宁皓网，是个网站'
"宁皓网，是个网站"
words.split('，')
["宁皓网", "是个网站"]
var newWords = words.split('，')
undefined
newWords
["宁皓网", "是个网站"]
```

7、Array数组

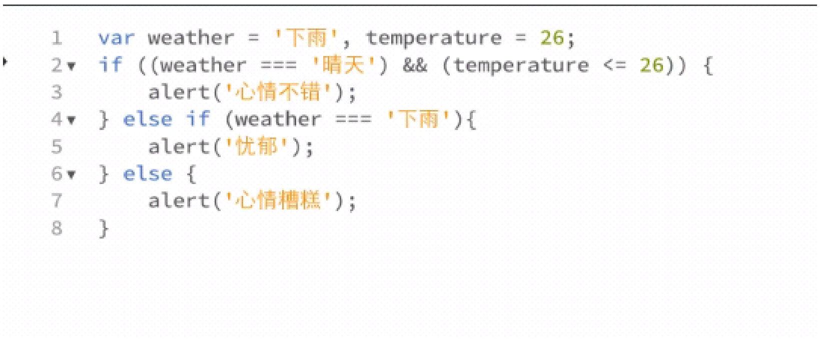


```
> var trackCD1 = [];
  undefined
> typeof(trackCD1)
  "object"
> trackCD1 = ['长城', '农民', '不可一世']
  ["长城", "农民", "不可一世"]
> trackCD1.length
  3
> trackCD1[0]
  "长城"
> trackCD1[1]
  "农民"
> trackCD1[3] = 'Bye-Bye'
  "Bye-Bye"
> trackCD1
  ["长城", "农民", "不可一世", "Bye-Bye"]
> trackCD1.push('遥望', '温暖的家乡')
  6
> trackCD1
  ["长城", "农民", "不可一世", "Bye-Bye", "遥望", "温暖的家乡"]
> trackCD1.pop()
  "温暖的家乡"
> trackCD1
  ["长城", "农民", "不可一世", "Bye-Bye", "遥望"]
> trackCD1.shift()
  "长城"
> |
```



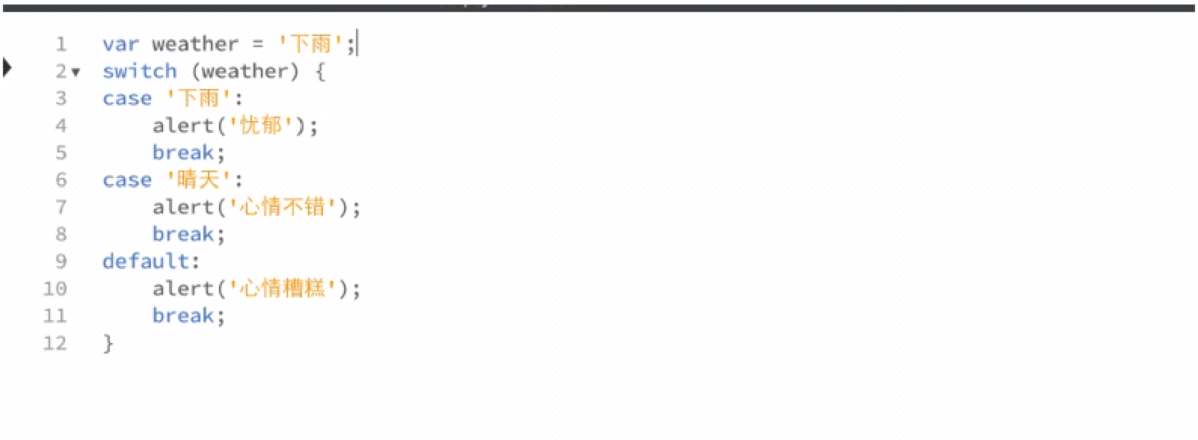
```
> trackCD1[1]
  "农民"
> trackCD1[3] = 'Bye-Bye'
  "Bye-Bye"
> trackCD1
  ["长城", "农民", "不可一世", "Bye-Bye"]
> trackCD1.push('遥望', '温暖的家乡')
  6
> trackCD1
  ["长城", "农民", "不可一世", "Bye-Bye", "遥望", "温暖的家乡"]
> trackCD1.pop()
  "温暖的家乡"
> trackCD1
  ["长城", "农民", "不可一世", "Bye-Bye", "遥望"]
> trackCD1.shift()
  "长城"
> delete trackCD1[3]
  true
> trackCD1
  ["农民", "不可一世", "Bye-Bye", undefined × 1]
> trackCD1.splice(3)
  [undefined × 1]
> trackCD1
  ["农民", "不可一世", "Bye-Bye"]
> var trackCD2 = ['可否冲破', '快乐王国']
  undefined
> var tracks = trackCD1.concat(trackCD2)
  undefined
> |
```

8、流程控制 if-else



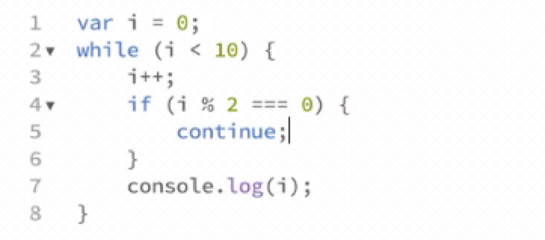
```
var weather = '下雨', temperature = 26;
if ((weather === '晴天') && (temperature <= 26)) {
    alert('心情不错');
} else if (weather === '下雨'){
    alert('忧郁');
} else {
    alert('心情糟糕');
}
```

9、流程控制 switch



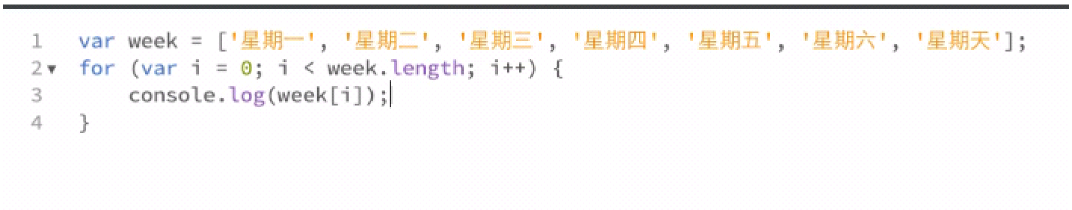
```
var weather = '下雨';
switch (weather) {
case '下雨':
    alert('忧郁');
    break;
case '晴天':
    alert('心情不错');
    break;
default:
    alert('心情糟糕');
    break;
}
```

10、流程控制 while



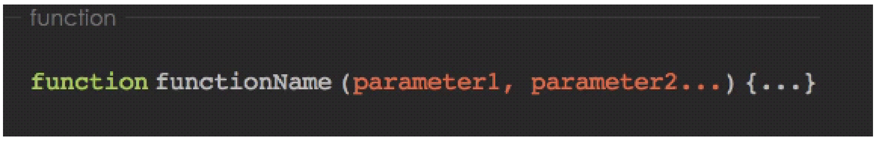
```
var i = 0;
while (i < 10) {
    i++;
    if (i % 2 === 0) {
        continue;
    }
    console.log(i);
}
```

11、for



```
var week = ['星期一', '星期二', '星期三', '星期四', '星期五', '星期六', '星期天'];
for (var i = 0; i < week.length; i++) {
    console.log(week[i]);
}
```

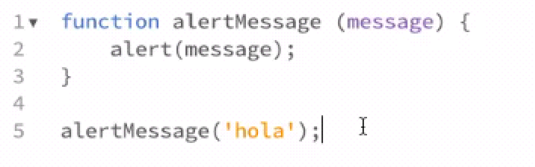
12、函数



function

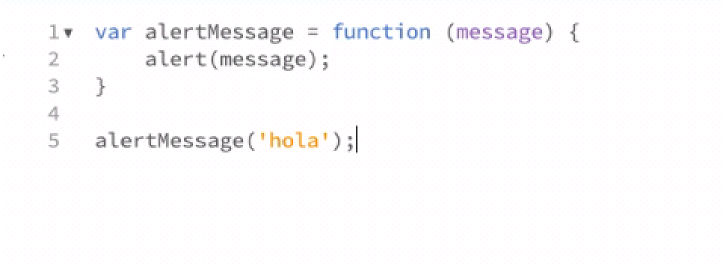
```
function functionName (parameter1, parameter2...) {...}
```

13、定义一个函数



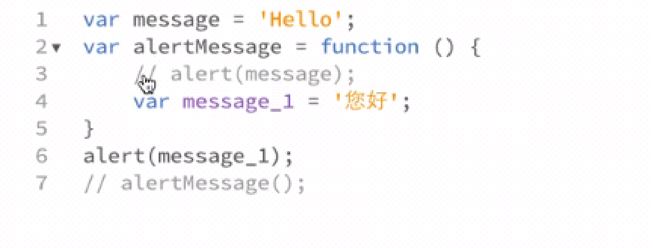
```
function alertMessage (message) {
    alert(message);
}

alertMessage('hola');
```

14、函数表达式

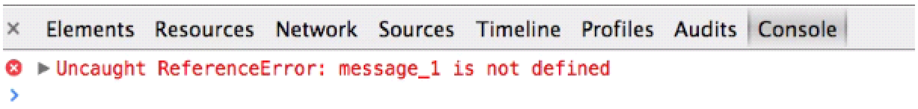


```
var alertMessage = function (message) {
    alert(message);
}

alertMessage('hola');
```

15、变量的作用域



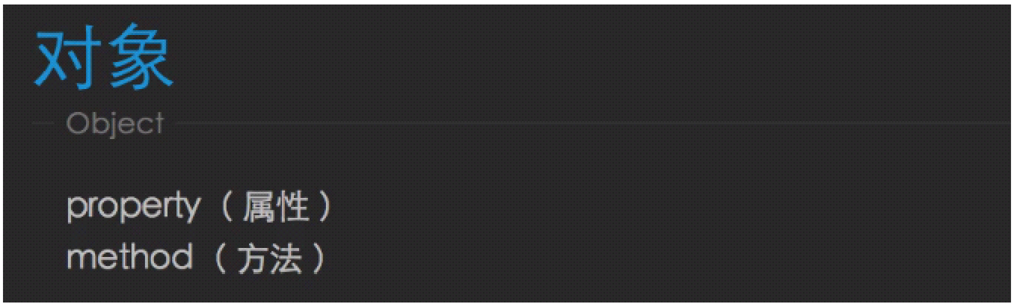
```
var message = 'Hello';
var alertMessage = function () {
    // alert(message);
    var message_1 = '您好';
}
alert(message_1);
// alertMessage();
```



× Elements Resources Network Sources Timeline Profiles Audits Console

```
▶ Uncaught ReferenceError: message_1 is not defined
>
```

16、对象



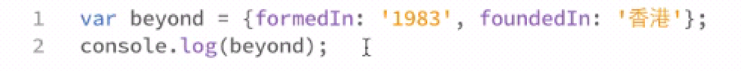
对象

Object

property（属性）

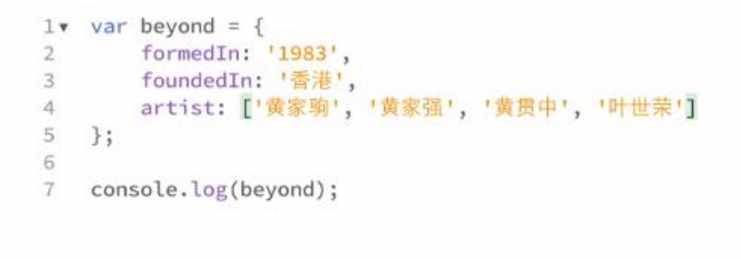
method（方法）

17、创建一个对象



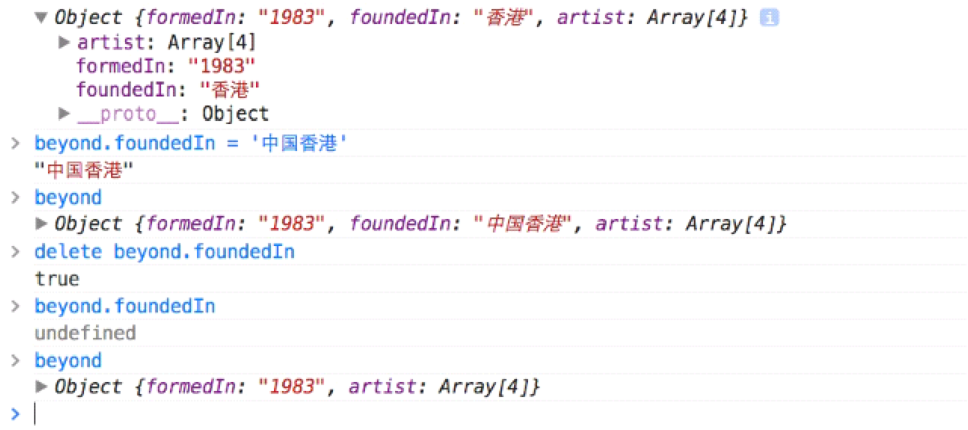
```
var beyond = {formedIn: '1983', foundedIn: '香港'};
console.log(beyond);
```

18、对象里的数组



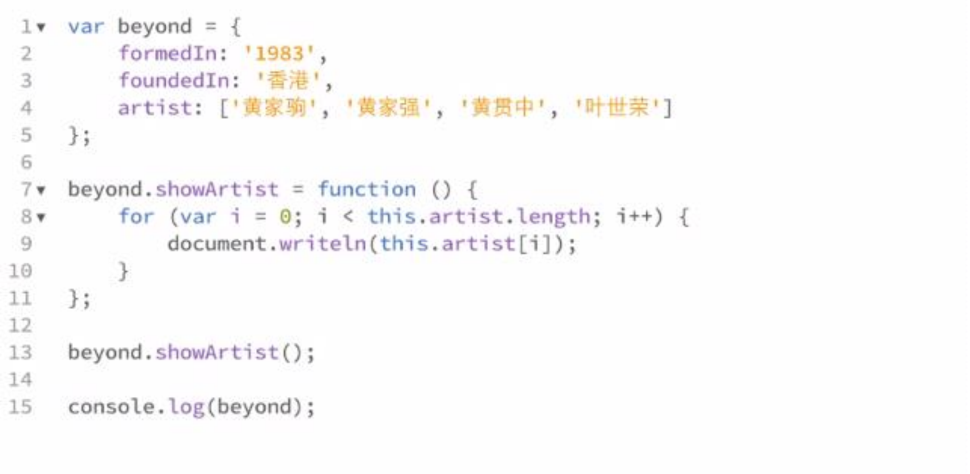
```
var beyond = {
    formedIn: '1983',
    foundedIn: '香港',
    artist: ['黄家驹', '黄家强', '黄贯中', '叶世荣']
};

console.log(beyond);
```

19、更新与删除对象里的属性

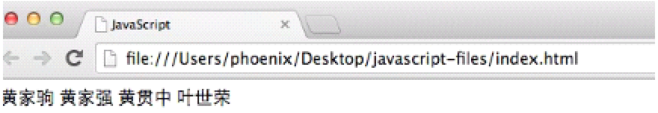


```
▼ Object {formedIn: "1983", foundedIn: "香港", artist: Array[4]}
  ▶ artist: Array[4]
    formedIn: "1983"
    foundedIn: "香港"
  ▶ __proto__: Object
> beyond.foundedIn = '中国香港'
  "中国香港"
> beyond
  ▶ Object {formedIn: "1983", foundedIn: "中国香港", artist: Array[4]}
> delete beyond.foundedIn
  true
> beyond.foundedIn
  undefined
> beyond
  ▶ Object {formedIn: "1983", artist: Array[4]}
> |
```

20、为对象添加方法

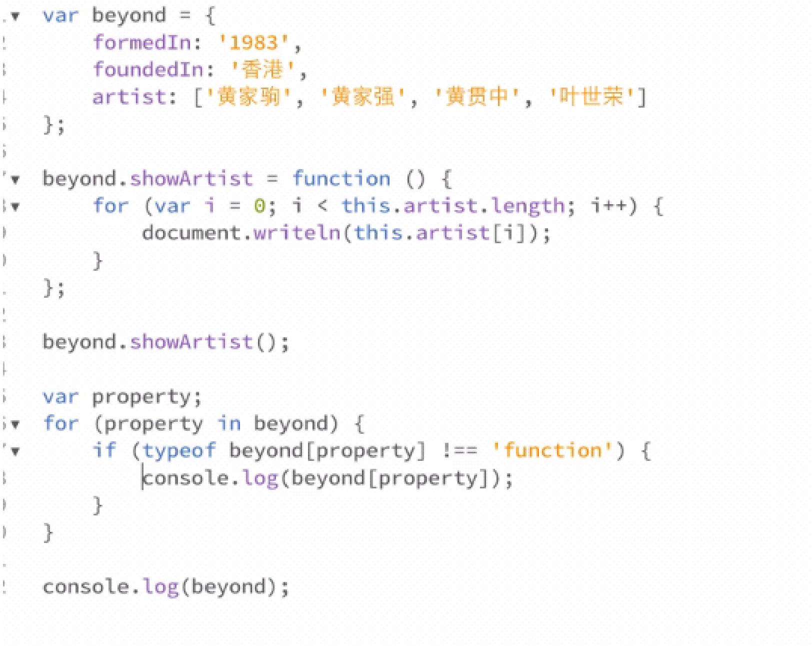


```
var beyond = {
    formedIn: '1983',
    foundedIn: '香港',
    artist: ['黄家驹', '黄家强', '黄贯中', '叶世荣']
};

beyond.showArtist = function () {
    for (var i = 0; i < this.artist.length; i++) {
        document.writeln(this.artist[i]);
    }
};

beyond.showArtist();

console.log(beyond);
```

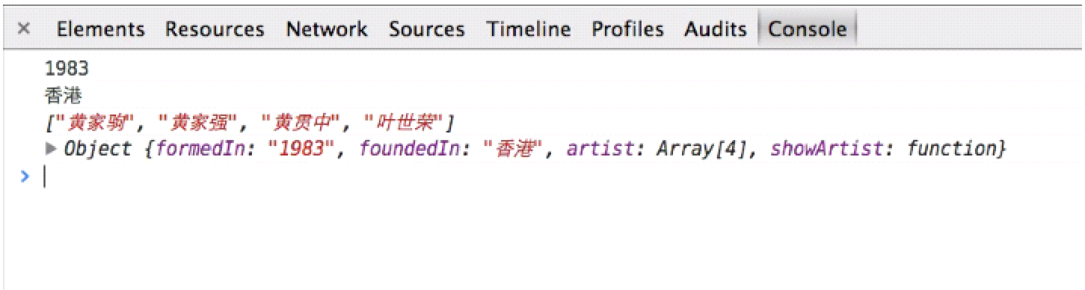


黄家驹 黄家强 黄贯中 叶世荣

21、循环输出对象里的属性

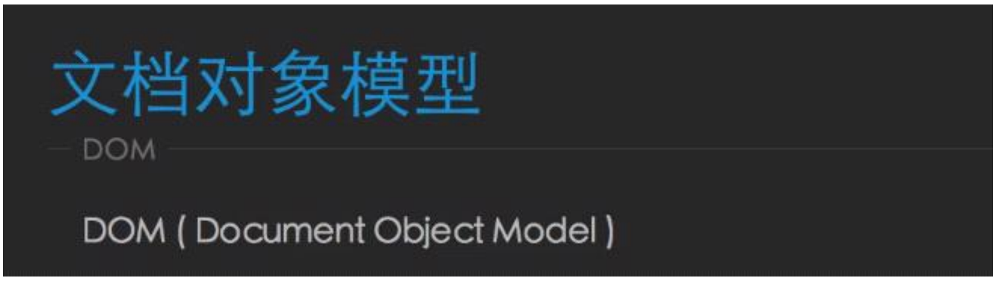


```
var beyond = {
    formedIn: '1983',
    foundedIn: '香港',
    artist: ['黄家驹', '黄家强', '黄贯中', '叶世荣']
};

beyond.showArtist = function () {
    for (var i = 0; i < this.artist.length; i++) {
        document.writeln(this.artist[i]);
    }
};

beyond.showArtist();

var property;
for (property in beyond) {
    if (typeof beyond[property] !== 'function') {
        console.log(beyond[property]);
    }
}

console.log(beyond);
```



```
1983
香港
["黄家驹", "黄家强", "黄贯中", "叶世荣"]
▶ Object {formedIn: "1983", foundedIn: "香港", artist: Array[4], showArtist: function}
> |
```

22、DOM操作文档的接口

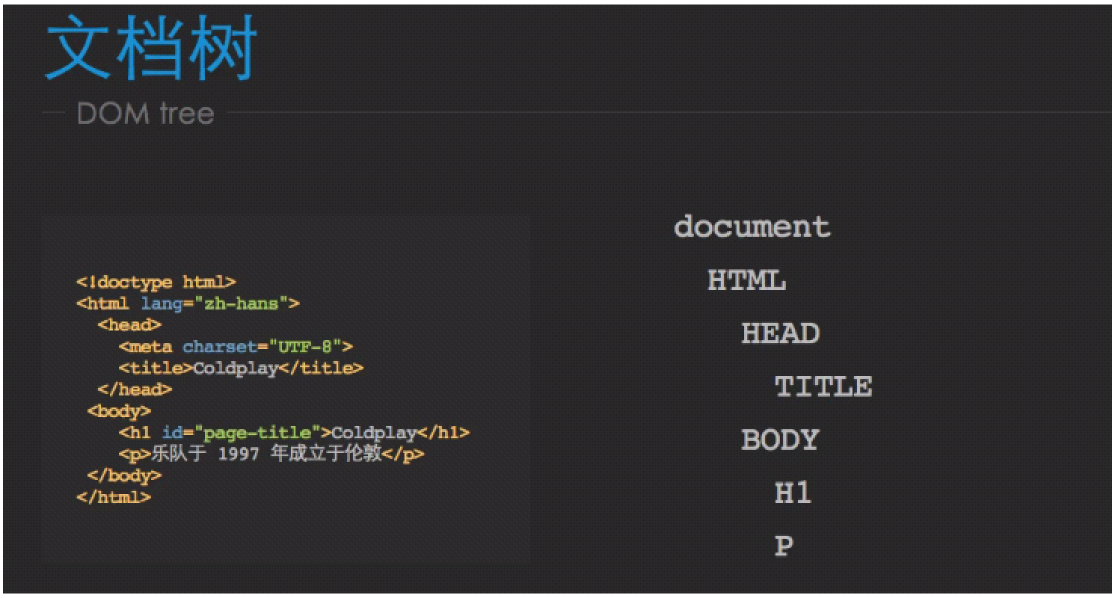


文档对象模型

DOM

DOM ( Document Object Model )

23、文档树



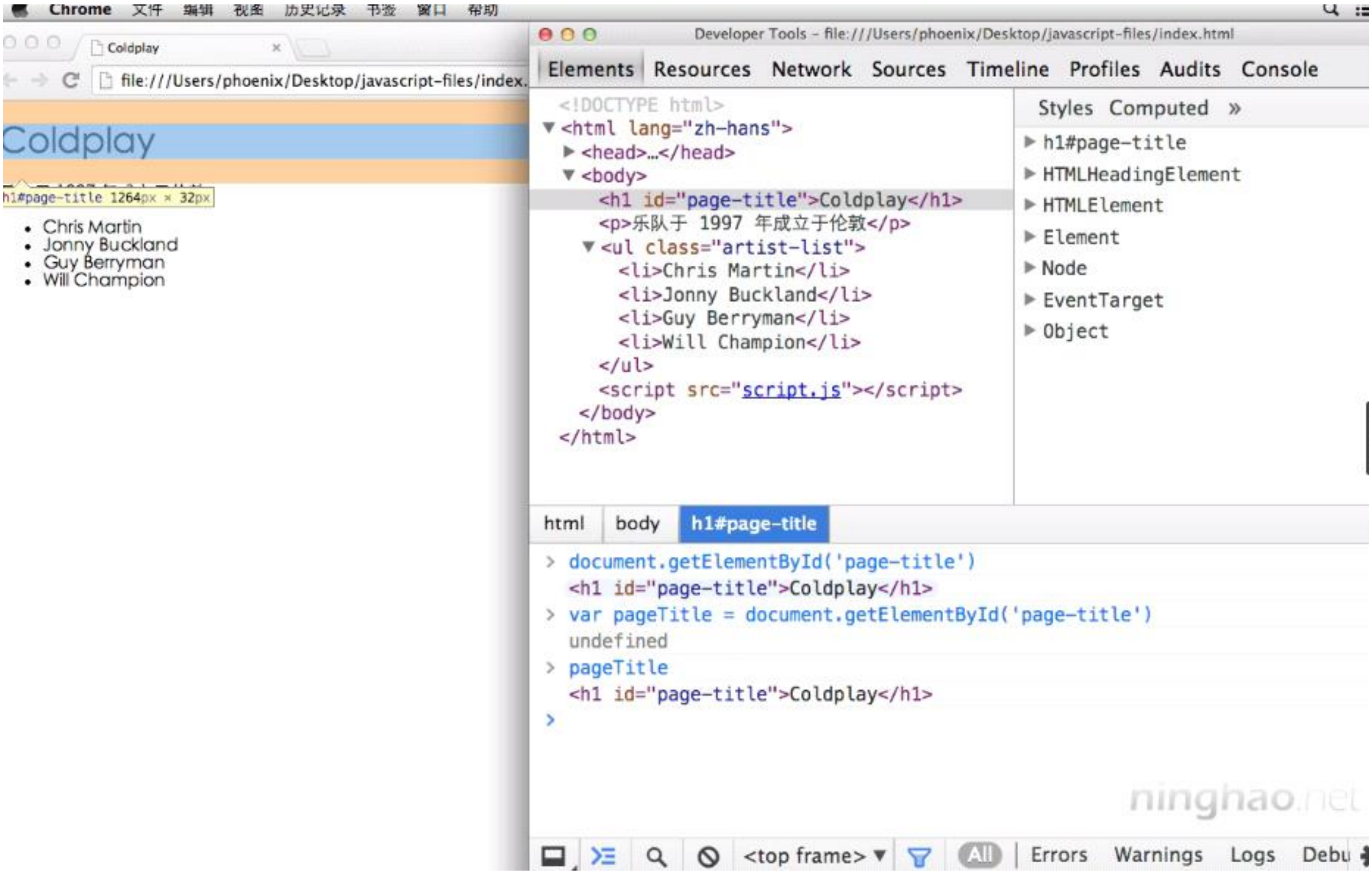
文档树

DOM tree

```
<!doctype html>
<html lang="zh-hans">
  <head>
    <meta charset="UTF-8">
    <title>Coldplay</title>
  </head>
 <body>
    <h1 id="page-title">Coldplay</h1>
    <p>乐队于 1997 年成立于伦敦</p>
 </body>
</html>
```

```
document
  HTML
    HEAD
      TITLE
    BODY
      H1
      P
```

24、获取文档中的元素getElementById


Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-files/index.
Developer Tools - file:///Users/phoenix/Desktop/javascript-files/index.html
Elements Resources Network Sources Timeline Profiles Audits Console
Styles Computed »
html body h1#page-title
<top frame> All Errors Warnings Logs Debu
ninghao.net

Coldplay

h1#page-title 1264px × 32px

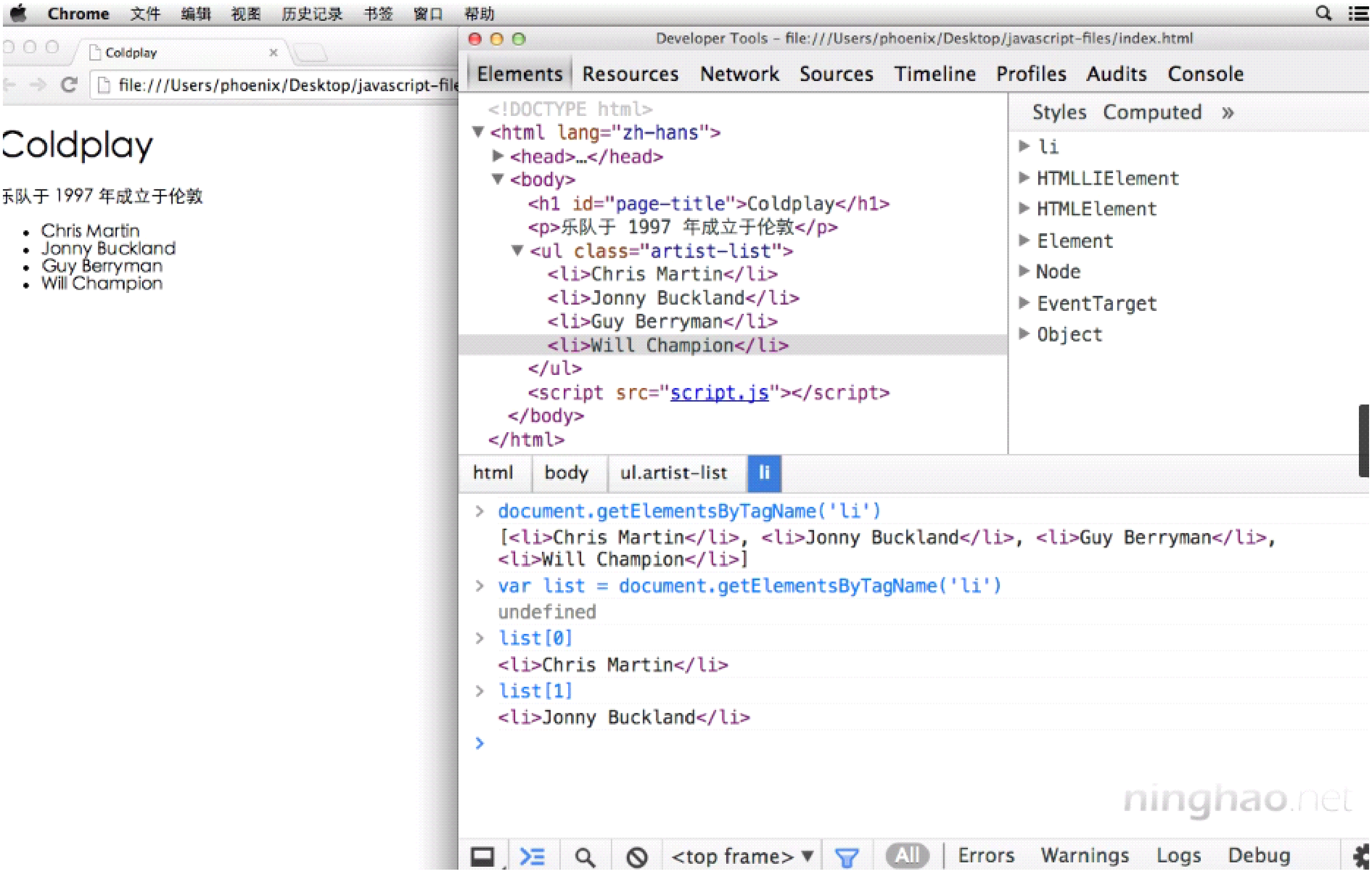
- Chris Martin
- Jonny Buckland
- Guy Berryman
- Will Champion

```
<!DOCTYPE html>
▼<html lang="zh-hans">
  ▶<head>…</head>
  ▼<body>
     <h1 id="page-title">Coldplay</h1>
     <p>乐队于 1997 年成立于伦敦</p>
    ▼<ul class="artist-list">
       <li>Chris Martin</li>
       <li>Jonny Buckland</li>
       <li>Guy Berryman</li>
       <li>Will Champion</li>
     </ul>
     <script src="script.js"></script>
   </body>
</html>
```

```
▶ h1#page-title
▶ HTMLHeadingElement
▶ HTMLElement
▶ Element
▶ Node
▶ EventTarget
▶ Object
```

```
> document.getElementById('page-title')
  <h1 id="page-title">Coldplay</h1>
> var pageTitle = document.getElementById('page-title')
  undefined
> pageTitle
  <h1 id="page-title">Coldplay</h1>
>
```

25、getElementsByTagName


Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-file
Developer Tools - file:///Users/phoenix/Desktop/javascript-files/index.html
Elements Resources Network Sources Timeline Profiles Audits Console
Styles Computed »
html body ul.artist-list li
<top frame> All Errors Warnings Logs Debug
ninghao.net

Coldplay

乐队于 1997 年成立于伦敦

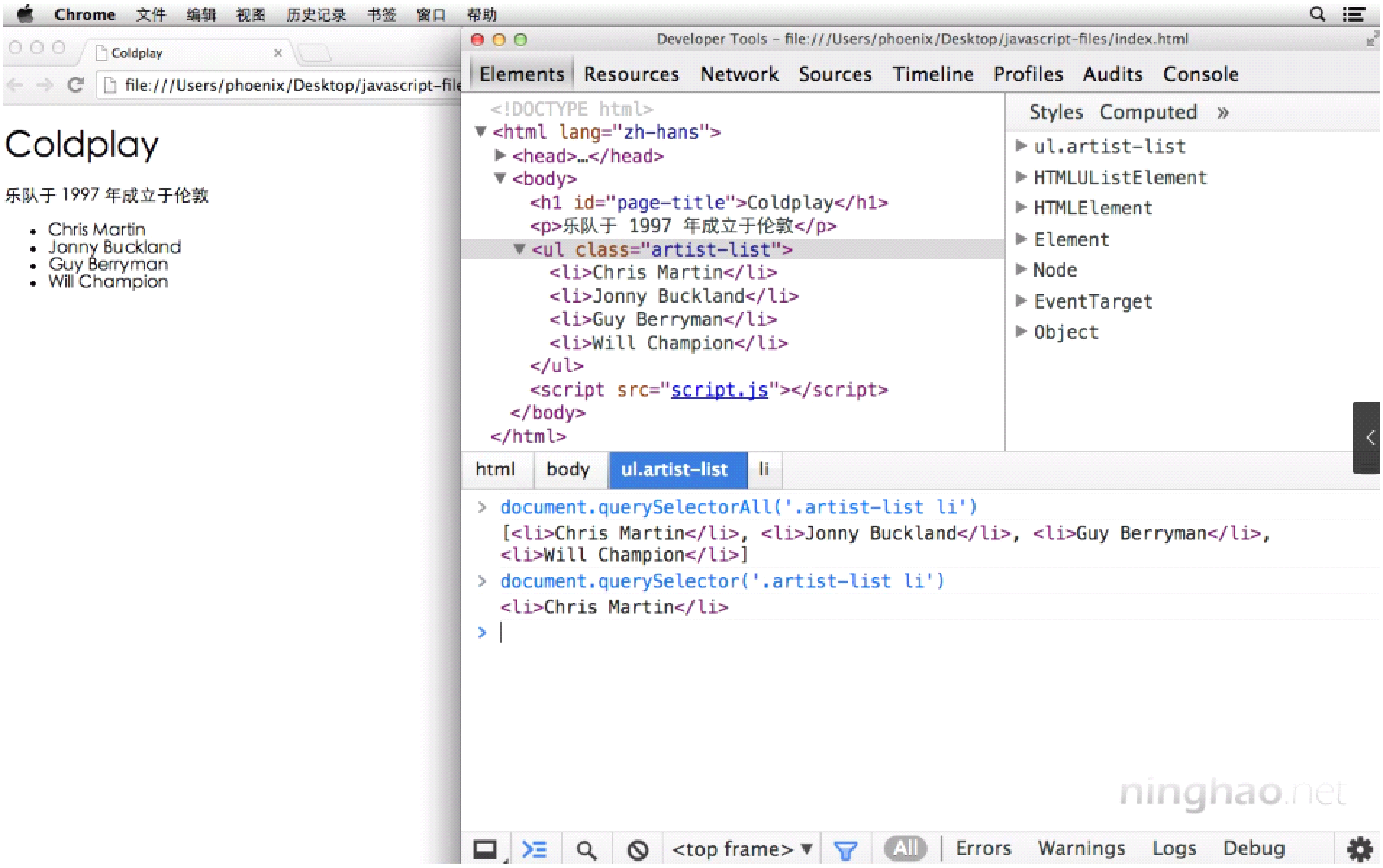
- Chris Martin
- Jonny Buckland
- Guy Berryman
- Will Champion

```
<!DOCTYPE html>
▼<html lang="zh-hans">
  ▶<head>…</head>
  ▼<body>
     <h1 id="page-title">Coldplay</h1>
     <p>乐队于 1997 年成立于伦敦</p>
    ▼<ul class="artist-list">
       <li>Chris Martin</li>
       <li>Jonny Buckland</li>
       <li>Guy Berryman</li>
       <li>Will Champion</li>
     </ul>
     <script src="script.js"></script>
   </body>
</html>
```

```
▶ li
▶ HTMLLIElement
▶ HTMLElement
▶ Element
▶ Node
▶ EventTarget
▶ Object
```

```
> document.getElementsByTagName('li')
  [<li>Chris Martin</li>, <li>Jonny Buckland</li>, <li>Guy Berryman</li>,
  <li>Will Champion</li>]
> var list = document.getElementsByTagName('li')
  undefined
> list[0]
  <li>Chris Martin</li>
> list[1]
  <li>Jonny Buckland</li>
>
```

26、querySelector 与 querySelectorAll


Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-file
Developer Tools - file:///Users/phoenix/Desktop/javascript-files/index.html
Elements Resources Network Sources Timeline Profiles Audits Console
Styles Computed »
html body ul.artist-list li
<top frame> All Errors Warnings Logs Debug
ninghao.net

Coldplay

乐队于 1997 年成立于伦敦

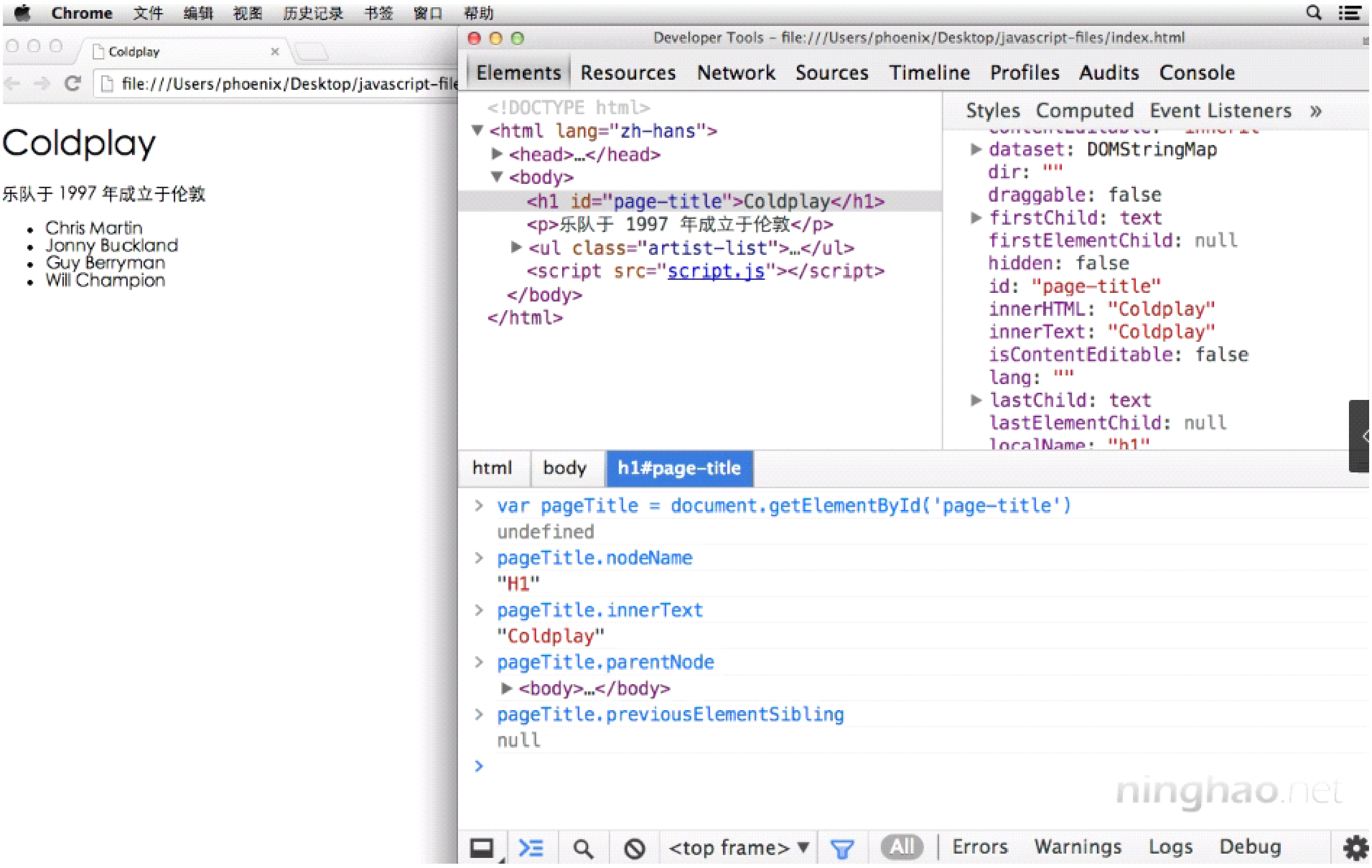
- Chris Martin
- Jonny Buckland
- Guy Berryman
- Will Champion

```
<!DOCTYPE html>
▼<html lang="zh-hans">
  ▶<head>…</head>
  ▼<body>
     <h1 id="page-title">Coldplay</h1>
     <p>乐队于 1997 年成立于伦敦</p>
    ▼<ul class="artist-list">
       <li>Chris Martin</li>
       <li>Jonny Buckland</li>
       <li>Guy Berryman</li>
       <li>Will Champion</li>
     </ul>
     <script src="script.js"></script>
   </body>
</html>
```

```
▶ ul.artist-list
▶ HTMLUListElement
▶ HTMLElement
▶ Element
▶ Node
▶ EventTarget
▶ Object
```

```
> document.querySelectorAll('.artist-list li')
  [<li>Chris Martin</li>, <li>Jonny Buckland</li>, <li>Guy Berryman</li>,
  <li>Will Champion</li>]
> document.querySelector('.artist-list li')
  <li>Chris Martin</li>
>
```

27、访问元素的属性


Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-file
Developer Tools - file:///Users/phoenix/Desktop/javascript-files/index.html
Elements Resources Network Sources Timeline Profiles Audits Console
Styles Computed Event Listeners »
html body h1#page-title
<top frame> All Errors Warnings Logs Debug
ninghao.net

Coldplay

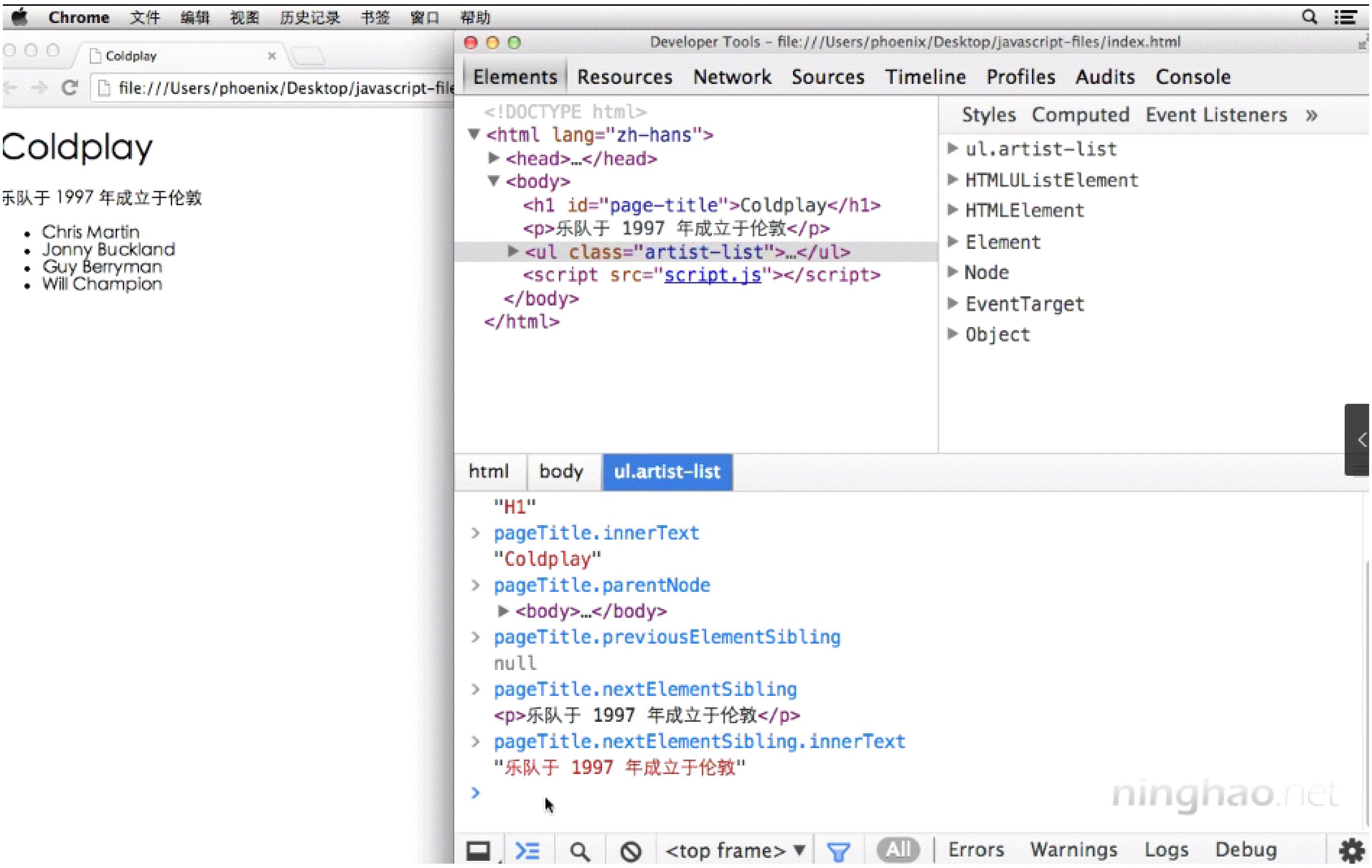
乐队于 1997 年成立于伦敦

- Chris Martin
- Jonny Buckland
- Guy Berryman
- Will Champion

```
<!DOCTYPE html>
▼<html lang="zh-hans">
  ▶<head>…</head>
  ▼<body>
     <h1 id="page-title">Coldplay</h1>
     <p>乐队于 1997 年成立于伦敦</p>
    ▶<ul class="artist-list">…</ul>
     <script src="script.js"></script>
   </body>
</html>
```

```
▶ dataset: DOMStringMap
  dir: ""
  draggable: false
▶ firstChild: text
  firstElementChild: null
  hidden: false
  id: "page-title"
  innerHTML: "Coldplay"
  innerText: "Coldplay"
  isContentEditable: false
  lang: ""
▶ lastChild: text
  lastElementChild: null
  localName: "h1"
```

```
> var pageTitle = document.getElementById('page-title')
  undefined
> pageTitle.nodeName
  "H1"
> pageTitle.innerText
  "Coldplay"
> pageTitle.parentNode
  ▶ <body>…</body>
> pageTitle.previousElementSibling
  null
>
```



Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-file
Developer Tools – file:///Users/phoenix/Desktop/javascript-files/index.html
Elements Resources Network Sources Timeline Profiles Audits Console
Styles Computed Event Listeners »
html body ul.artist-list
<top frame> All Errors Warnings Logs Debug
ninghao.net

Coldplay

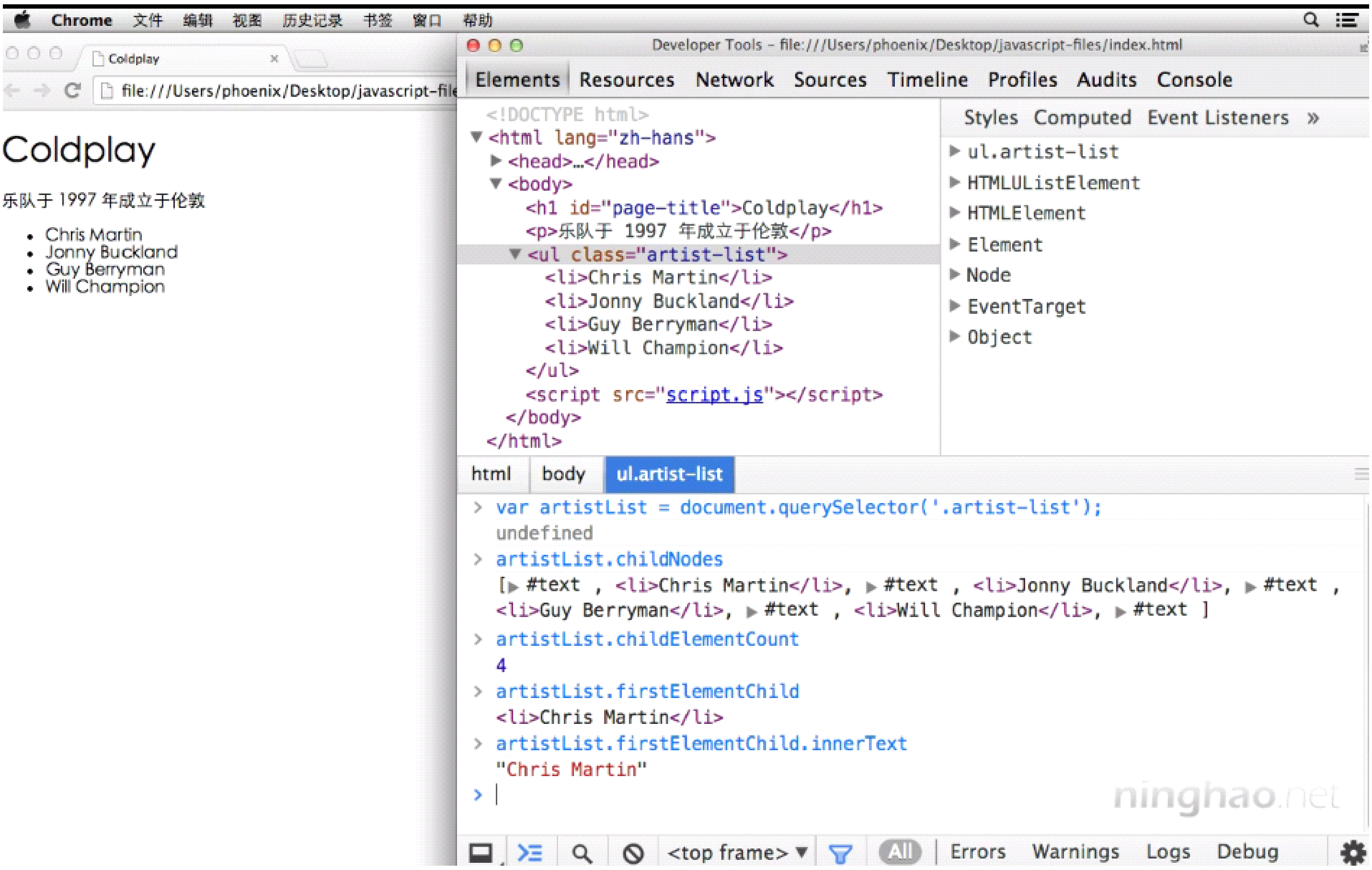
乐队于 1997 年成立于伦敦

- Chris Martin
- Jonny Buckland
- Guy Berryman
- Will Champion

```
<!DOCTYPE html>
▼<html lang="zh-hans">
  ▶<head>…</head>
  ▼<body>
     <h1 id="page-title">Coldplay</h1>
     <p>乐队于 1997 年成立于伦敦</p>
    ▶<ul class="artist-list">…</ul>
     <script src="script.js"></script>
   </body>
</html>
```

```
▶ ul.artist-list
▶ HTMLUListElement
▶ HTMLElement
▶ Element
▶ Node
▶ EventTarget
▶ Object
```

```
  "H1"
> pageTitle.innerText
  "Coldplay"
> pageTitle.parentNode
  ▶<body>…</body>
> pageTitle.previousElementSibling
  null
> pageTitle.nextElementSibling
  <p>乐队于 1997 年成立于伦敦</p>
> pageTitle.nextElementSibling.innerText
  "乐队于 1997 年成立于伦敦"
>
```



Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-file
Developer Tools – file:///Users/phoenix/Desktop/javascript-files/index.html
Elements Resources Network Sources Timeline Profiles Audits Console
Styles Computed Event Listeners »
html body ul.artist-list
<top frame> All Errors Warnings Logs Debug
ninghao.net

Coldplay

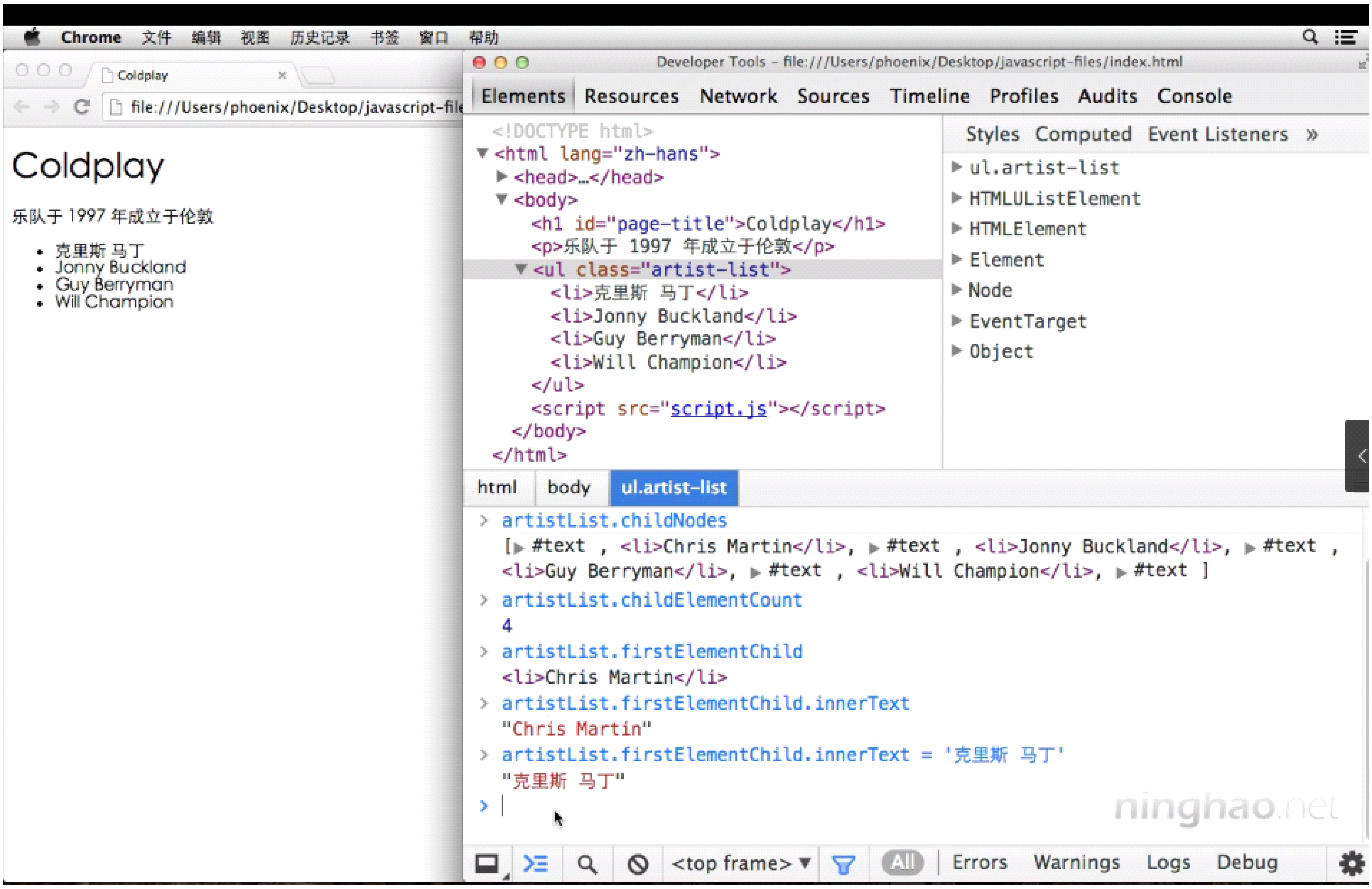
乐队于 1997 年成立于伦敦

- Chris Martin
- Jonny Buckland
- Guy Berryman
- Will Champion

```
<!DOCTYPE html>
▼<html lang="zh-hans">
  ▶<head>…</head>
  ▼<body>
     <h1 id="page-title">Coldplay</h1>
     <p>乐队于 1997 年成立于伦敦</p>
    ▼<ul class="artist-list">
       <li>Chris Martin</li>
       <li>Jonny Buckland</li>
       <li>Guy Berryman</li>
       <li>Will Champion</li>
     </ul>
     <script src="script.js"></script>
   </body>
</html>
```

```
▶ ul.artist-list
▶ HTMLUListElement
▶ HTMLElement
▶ Element
▶ Node
▶ EventTarget
▶ Object
```

```
> var artistList = document.querySelector('.artist-list');
  undefined
> artistList.childNodes
  [▶ #text , <li>Chris Martin</li>, ▶ #text , <li>Jonny Buckland</li>, ▶ #text ,
  <li>Guy Berryman</li>, ▶ #text , <li>Will Champion</li>, ▶ #text ]
> artistList.childElementCount
  4
> artistList.firstElementChild
  <li>Chris Martin</li>
> artistList.firstElementChild.innerText
  "Chris Martin"
> |
```


Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-file
Developer Tools - file:///Users/phoenix/Desktop/javascript-files/index.html
Elements Resources Network Sources Timeline Profiles Audits Console
Styles Computed Event Listeners »
html body ul.artist-list
<top frame> ▾ All Errors Warnings Logs Debug
ninghao.net

Coldplay

乐队于 1997 年成立于伦敦

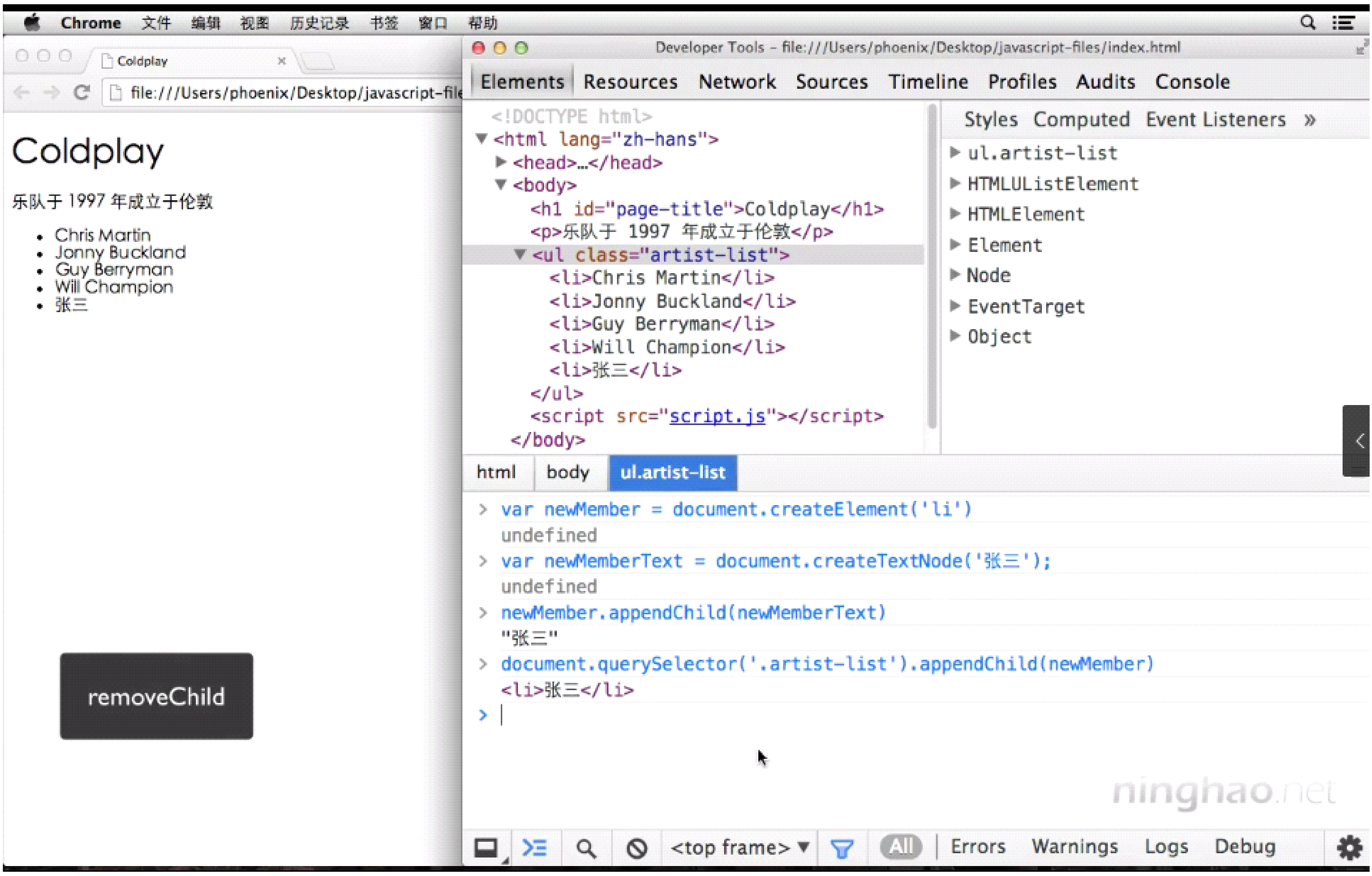
- 克里斯 马丁
- Jonny Buckland
- Guy Berryman
- Will Champion

```
<!DOCTYPE html>
▼<html lang="zh-hans">
  ▶<head>…</head>
  ▼<body>
     <h1 id="page-title">Coldplay</h1>
     <p>乐队于 1997 年成立于伦敦</p>
    ▼<ul class="artist-list">
       <li>克里斯 马丁</li>
       <li>Jonny Buckland</li>
       <li>Guy Berryman</li>
       <li>Will Champion</li>
     </ul>
     <script src="script.js"></script>
   </body>
</html>
```

```
▶ ul.artist-list
▶ HTMLUListElement
▶ HTMLElement
▶ Element
▶ Node
▶ EventTarget
▶ Object
```

```
> artistList.childNodes
  [▶ #text , <li>Chris Martin</li>, ▶ #text , <li>Jonny Buckland</li>, ▶ #text ,
  <li>Guy Berryman</li>, ▶ #text , <li>Will Champion</li>, ▶ #text ]
> artistList.childElementCount
  4
> artistList.firstElementChild
  <li>Chris Martin</li>
> artistList.firstElementChild.innerText
  "Chris Martin"
> artistList.firstElementChild.innerText = '克里斯 马丁'
  "克里斯 马丁"
> |
```

28、在文档中创建并插入新的节点


Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-file
Developer Tools - file:///Users/phoenix/Desktop/javascript-files/index.html
Elements Resources Network Sources Timeline Profiles Audits Console
Styles Computed Event Listeners »
html body ul.artist-list
removeChild
<top frame> ▾ All Errors Warnings Logs Debug
ninghao.net

Coldplay

乐队于 1997 年成立于伦敦

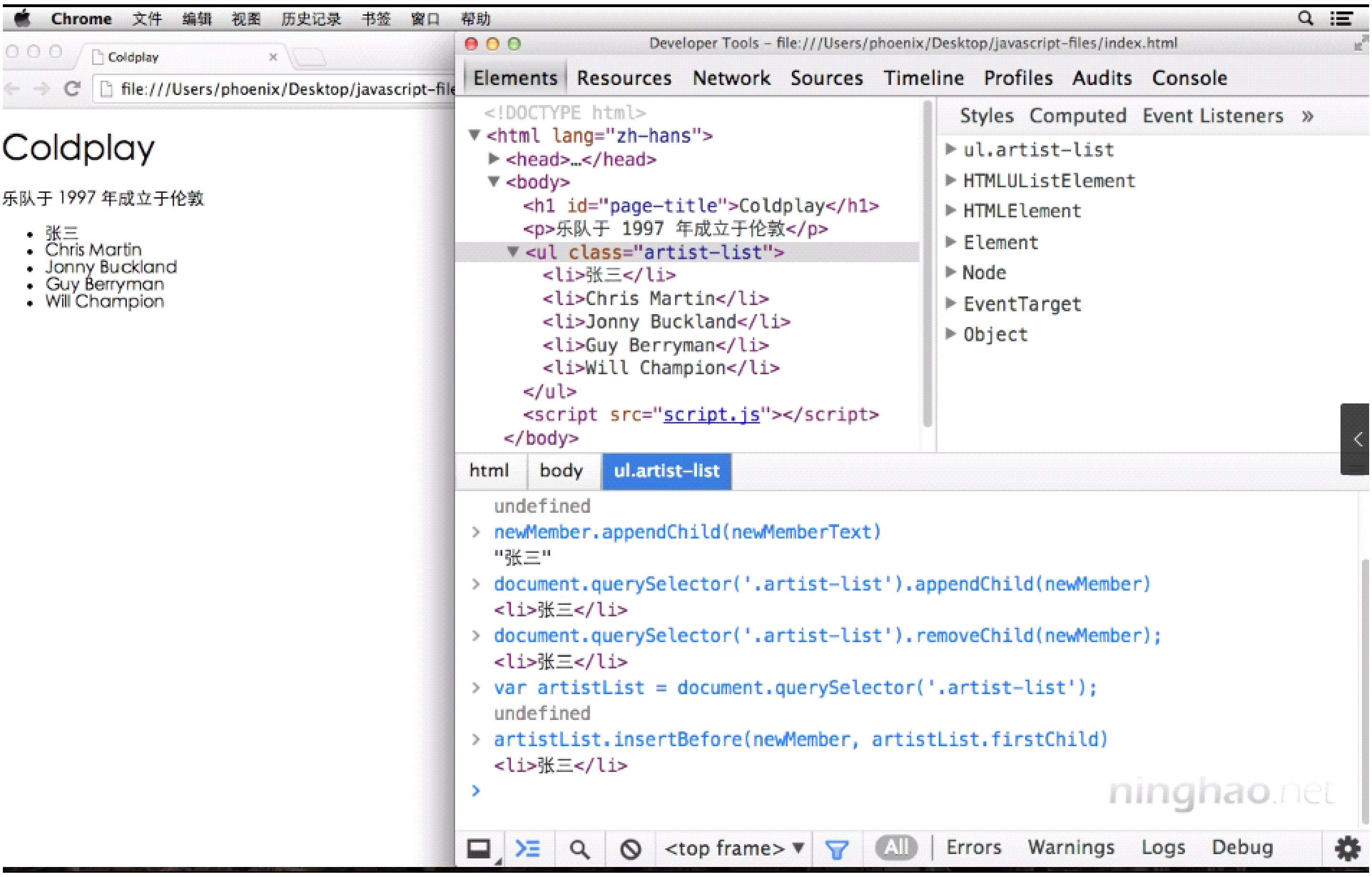
- Chris Martin
- Jonny Buckland
- Guy Berryman
- Will Champion
- 张三

```
<!DOCTYPE html>
▼<html lang="zh-hans">
  ▶<head>…</head>
  ▼<body>
     <h1 id="page-title">Coldplay</h1>
     <p>乐队于 1997 年成立于伦敦</p>
    ▼<ul class="artist-list">
       <li>Chris Martin</li>
       <li>Jonny Buckland</li>
       <li>Guy Berryman</li>
       <li>Will Champion</li>
       <li>张三</li>
     </ul>
     <script src="script.js"></script>
   </body>
```

```
▶ ul.artist-list
▶ HTMLUListElement
▶ HTMLElement
▶ Element
▶ Node
▶ EventTarget
▶ Object
```

```
> var newMember = document.createElement('li')
  undefined
> var newMemberText = document.createTextNode('张三');
  undefined
> newMember.appendChild(newMemberText)
  "张三"
> document.querySelector('.artist-list').appendChild(newMember)
  <li>张三</li>
> |
```

29、insertBefore，在指定的位置插入节点


Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-file
Developer Tools - file:///Users/phoenix/Desktop/javascript-files/index.html
Elements Resources Network Sources Timeline Profiles Audits Console
Styles Computed Event Listeners »
html body ul.artist-list
<top frame> ▼ All Errors Warnings Logs Debug
ninghao.net

Coldplay

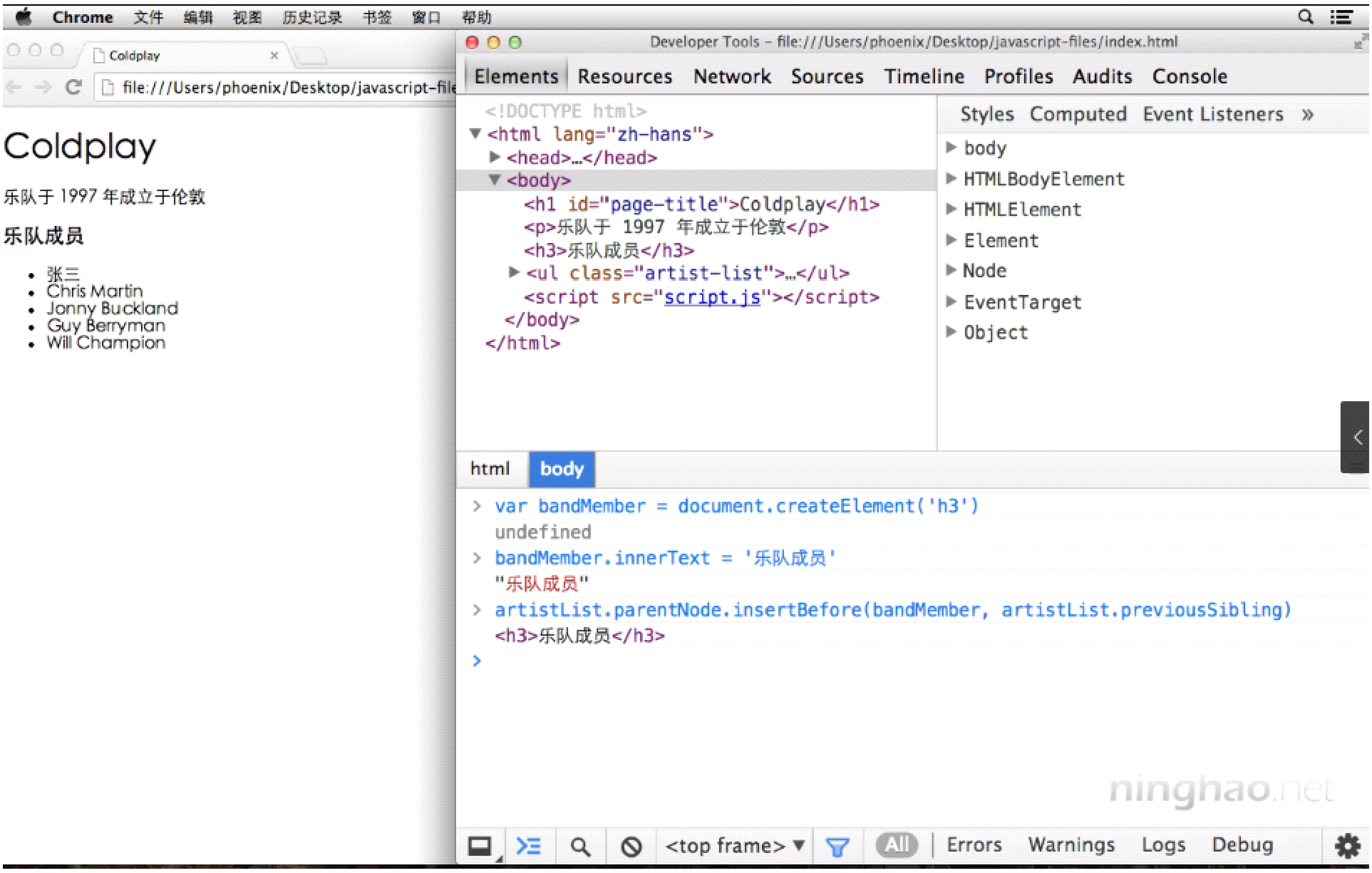
乐队于 1997 年成立于伦敦

- 张三
- Chris Martin
- Jonny Buckland
- Guy Berryman
- Will Champion

```
<!DOCTYPE html>
▼<html lang="zh-hans">
  ▶<head>…</head>
  ▼<body>
     <h1 id="page-title">Coldplay</h1>
     <p>乐队于 1997 年成立于伦敦</p>
    ▼<ul class="artist-list">
       <li>张三</li>
       <li>Chris Martin</li>
       <li>Jonny Buckland</li>
       <li>Guy Berryman</li>
       <li>Will Champion</li>
     </ul>
     <script src="script.js"></script>
   </body>
```

```
▶ ul.artist-list
▶ HTMLUListElement
▶ HTMLElement
▶ Element
▶ Node
▶ EventTarget
▶ Object
```

```
  undefined
> newMember.appendChild(newMemberText)
  "张三"
> document.querySelector('.artist-list').appendChild(newMember)
  <li>张三</li>
> document.querySelector('.artist-list').removeChild(newMember);
  <li>张三</li>
> var artistList = document.querySelector('.artist-list');
  undefined
> artistList.insertBefore(newMember, artistList.firstChild)
  <li>张三</li>
>
```


Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-file
Developer Tools - file:///Users/phoenix/Desktop/javascript-files/index.html
Elements Resources Network Sources Timeline Profiles Audits Console
Styles Computed Event Listeners »
html body
<top frame> ▼ All Errors Warnings Logs Debug
ninghao.net

Coldplay

乐队于 1997 年成立于伦敦

乐队成员

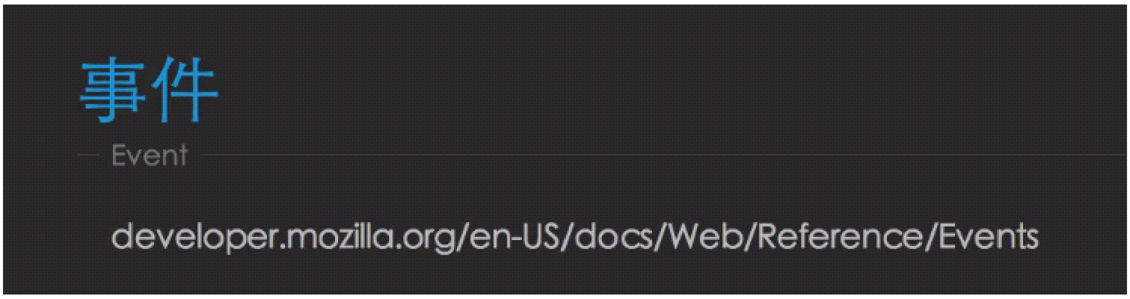
- 张三
- Chris Martin
- Jonny Buckland
- Guy Berryman
- Will Champion

```
<!DOCTYPE html>
▼<html lang="zh-hans">
  ▶<head>…</head>
  ▼<body>
     <h1 id="page-title">Coldplay</h1>
     <p>乐队于 1997 年成立于伦敦</p>
     <h3>乐队成员</h3>
    ▶<ul class="artist-list">…</ul>
     <script src="script.js"></script>
   </body>
</html>
```

```
▶ body
▶ HTMLBodyElement
▶ HTMLElement
▶ Element
▶ Node
▶ EventTarget
▶ Object
```

```
> var bandMember = document.createElement('h3')
  undefined
> bandMember.innerText = '乐队成员'
  "乐队成员"
> artistList.parentNode.insertBefore(bandMember, artistList.previousSibling)
  <h3>乐队成员</h3>
>
```

30、Event 处理发生的事件

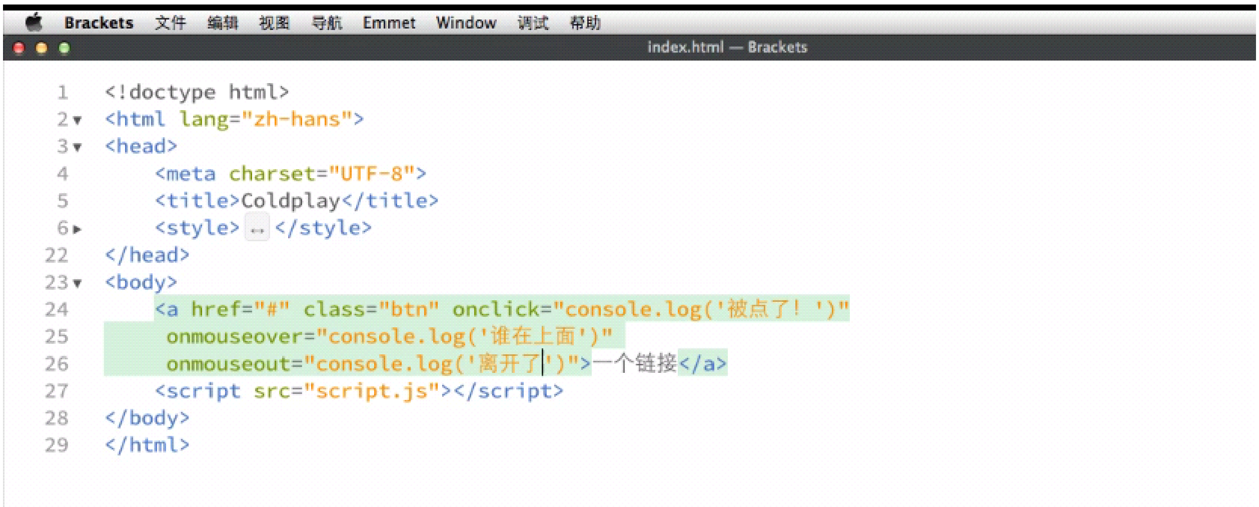


事件

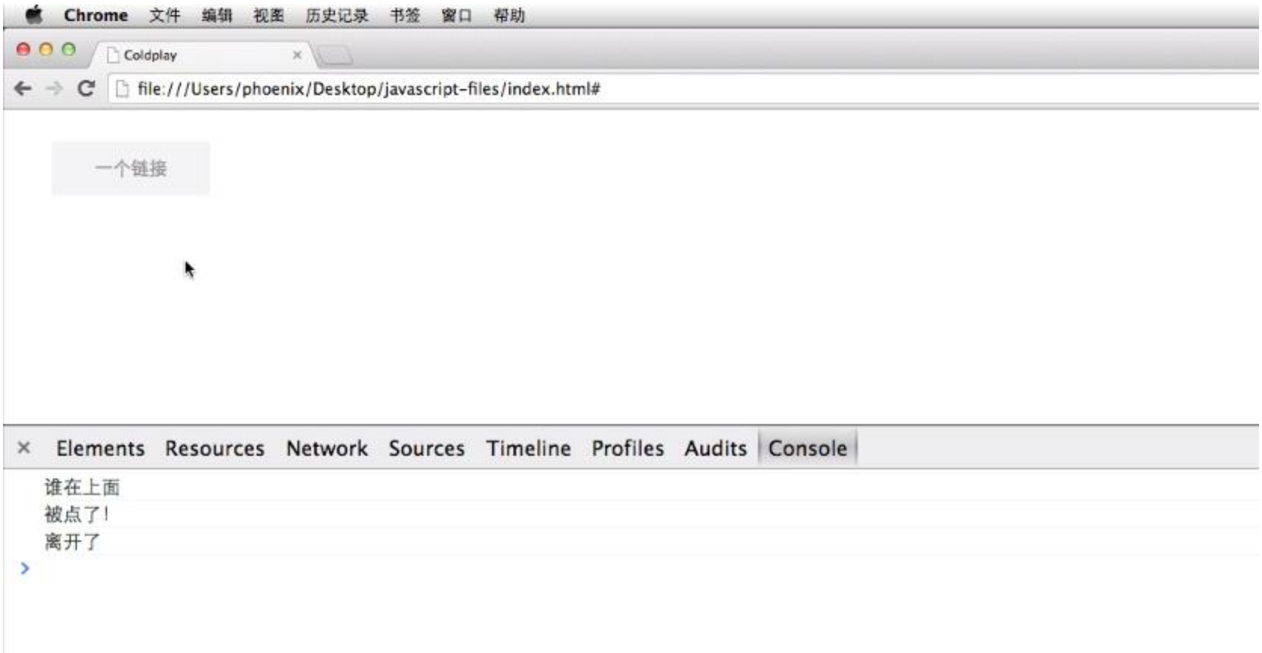
Event

developer.mozilla.org/en-US/docs/Web/Reference/Events

31、处理事件的方法



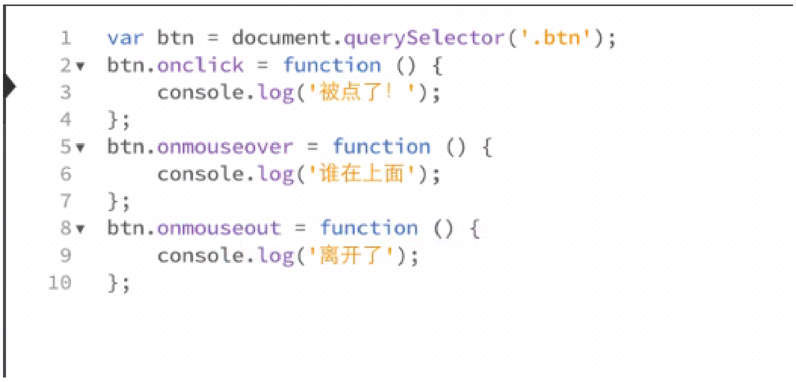
```
<!doctype html>
<html lang="zh-hans">
<head>
    <meta charset="UTF-8">
    <title>Coldplay</title>
    <style> ↔ </style>
</head>
<body>
    <a href="#" class="btn" onclick="console.log('被点了！')"
     onmouseover="console.log('谁在上面')"
     onmouseout="console.log('离开了')">一个链接</a>
    <script src="script.js"></script>
</body>
</html>
```



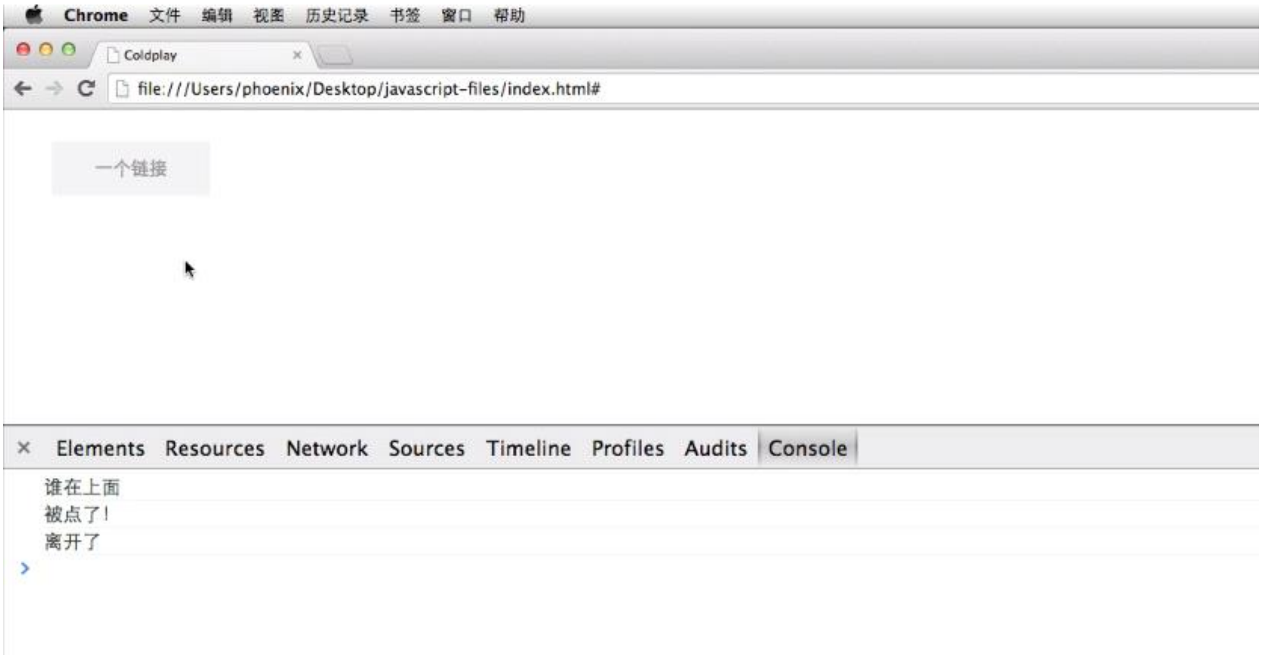
Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-files/index.html#
一个链接
Elements Resources Network Sources Timeline Profiles Audits Console

```
谁在上面
被点了！
离开了
>
```

32、用对象的事件处理程序处理发生的事件

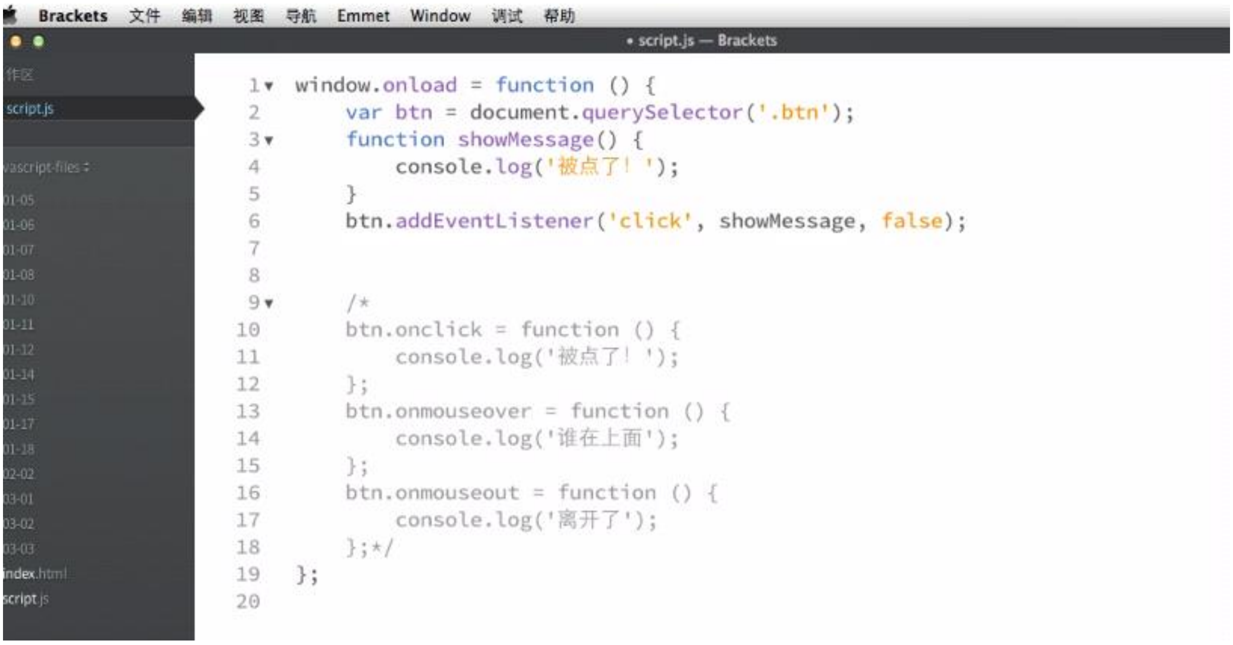


```
var btn = document.querySelector('.btn');
btn.onclick = function () {
    console.log('被点了！');
};
btn.onmouseover = function () {
    console.log('谁在上面');
};
btn.onmouseout = function () {
    console.log('离开了');
};
```

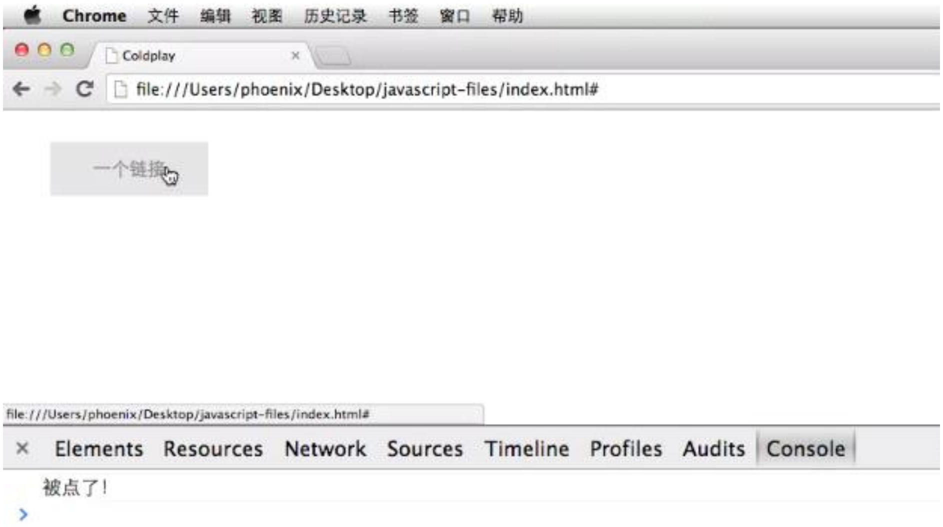

Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-files/index.html#
一个链接
Elements Resources Network Sources Timeline Profiles Audits Console

```
谁在上面
被点了！
离开了
```

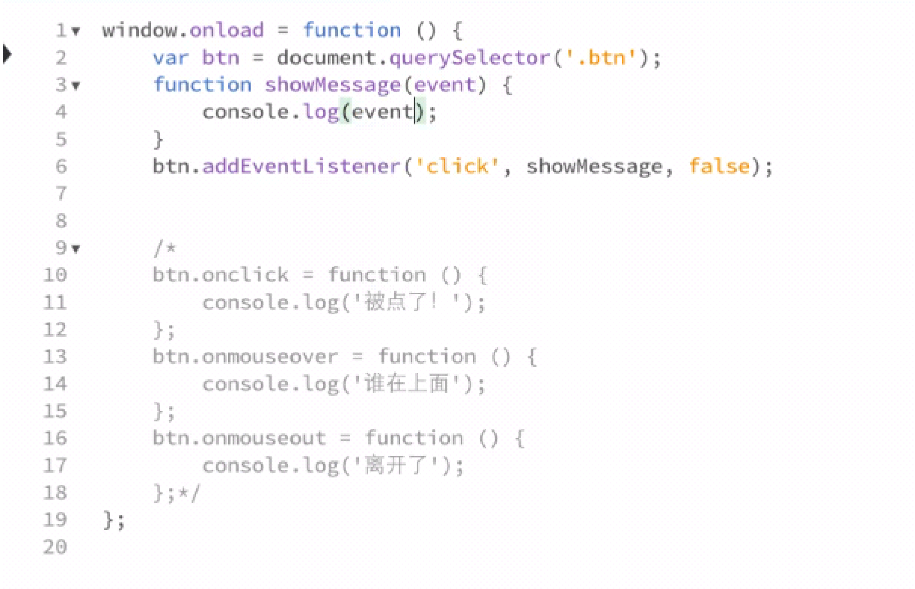
## 33、addEventListener 为对象绑定事件



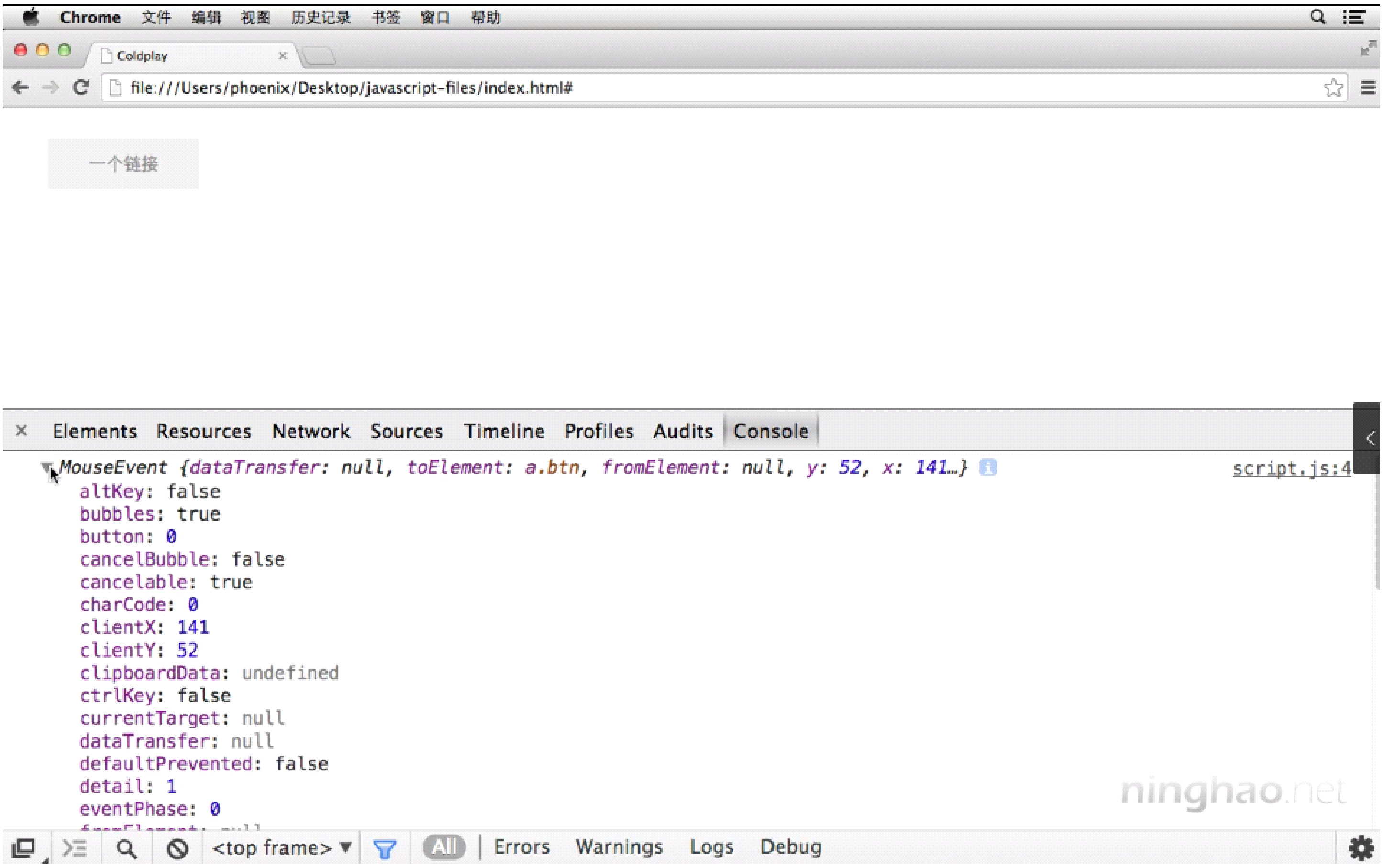
```
window.onload = function () {
    var btn = document.querySelector('.btn');
    function showMessage() {
        console.log('被点了！');
    }
    btn.addEventListener('click', showMessage, false);


    /*
    btn.onclick = function () {
        console.log('被点了！');
    };
    btn.onmouseover = function () {
        console.log('谁在上面');
    };
    btn.onmouseout = function () {
        console.log('离开了');
    };*/
};
```


Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-files/index.html#
一个链接
file:///Users/phoenix/Desktop/javascript-files/index.html#
Elements Resources Network Sources Timeline Profiles Audits Console

```
被点了！
```

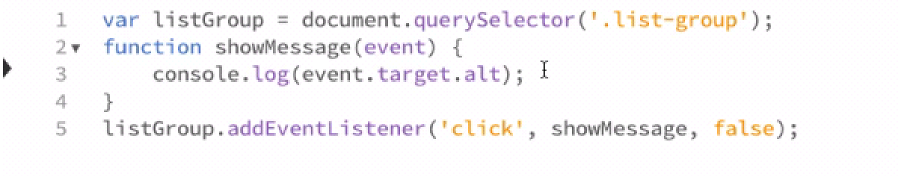


```
window.onload = function () {
    var btn = document.querySelector('.btn');
    function showMessage(event) {
        console.log(event);
    }
    btn.addEventListener('click', showMessage, false);


    /*
    btn.onclick = function () {
        console.log('被点了！');
    };
    btn.onmouseover = function () {
        console.log('谁在上面');
    };
    btn.onmouseout = function () {
        console.log('离开了');
    };*/
};

```

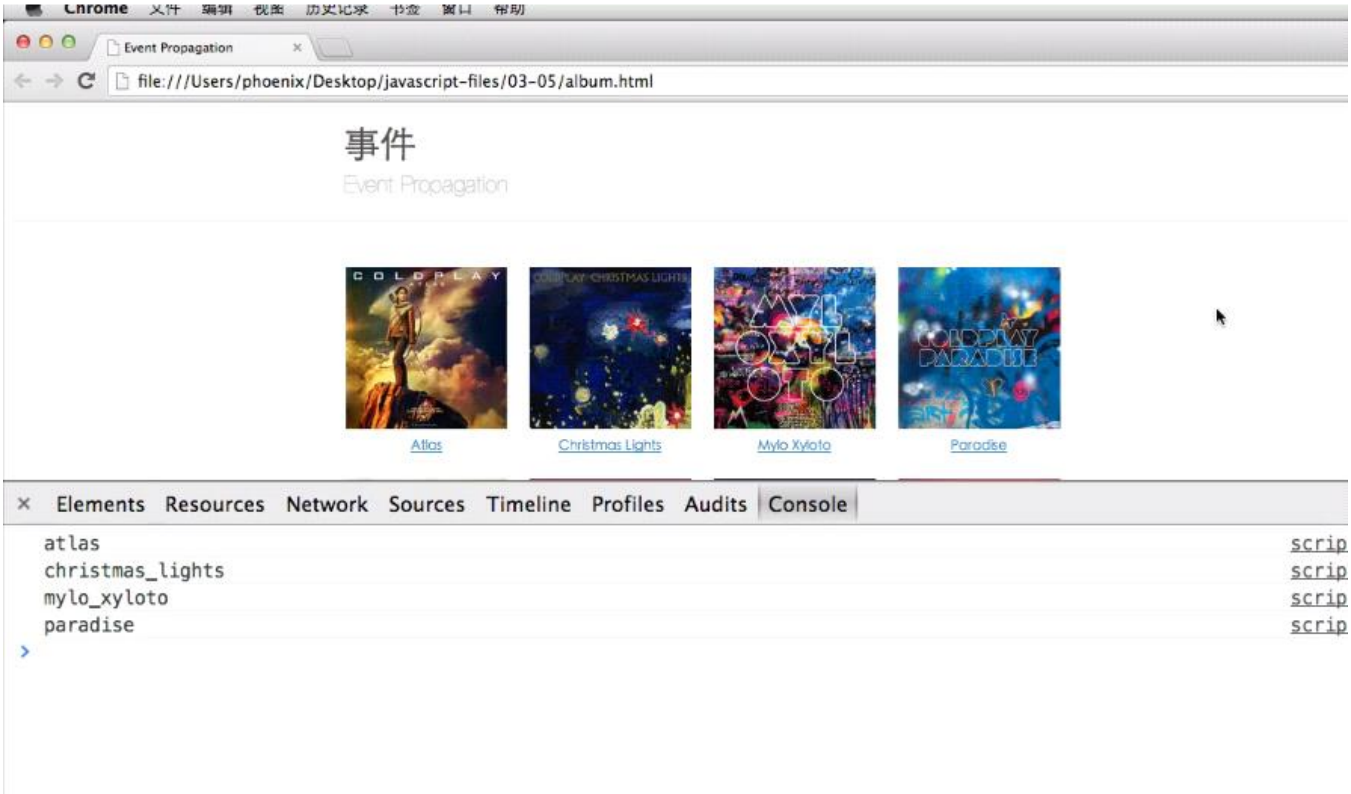

Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Coldplay
file:///Users/phoenix/Desktop/javascript-files/index.html#
一个链接
Elements Resources Network Sources Timeline Profiles Audits Console
script.js:4
ninghao.net
<top frame> ▼
All Errors Warnings Logs Debug

```
▼MouseEvent {dataTransfer: null, toElement: a.btn, fromElement: null, y: 52, x: 141…}
    altKey: false
    bubbles: true
    button: 0
    cancelBubble: false
    cancelable: true
    charCode: 0
    clientX: 141
    clientY: 52
    clipboardData: undefined
    ctrlKey: false
    currentTarget: null
    dataTransfer: null
    defaultPrevented: false
    detail: 1
    eventPhase: 0
    fromElement: null
```

34、事件的传播

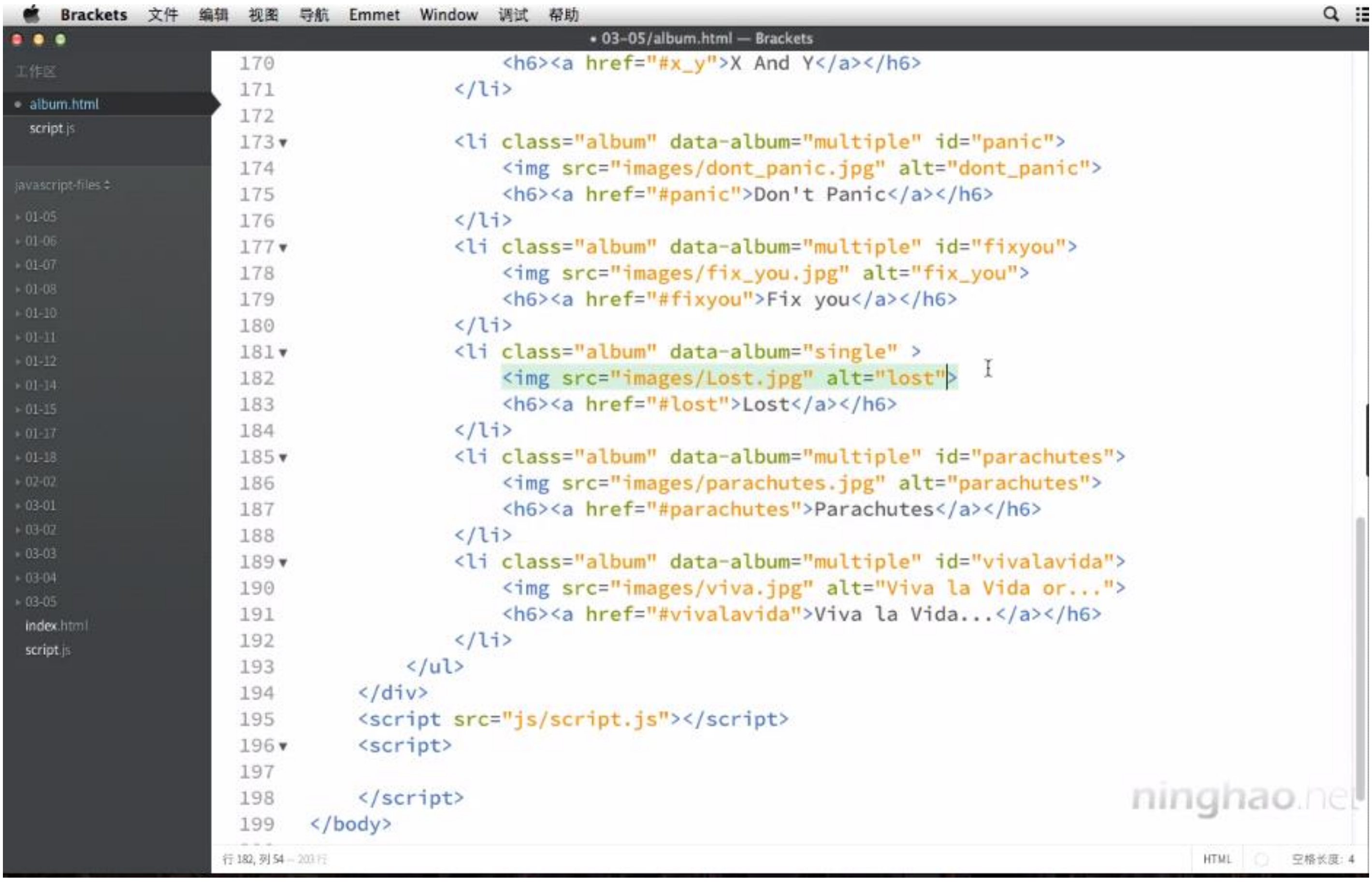


```
var listGroup = document.querySelector('.list-group');
function showMessage(event) {
    console.log(event.target.alt);
}
listGroup.addEventListener('click', showMessage, false);
```

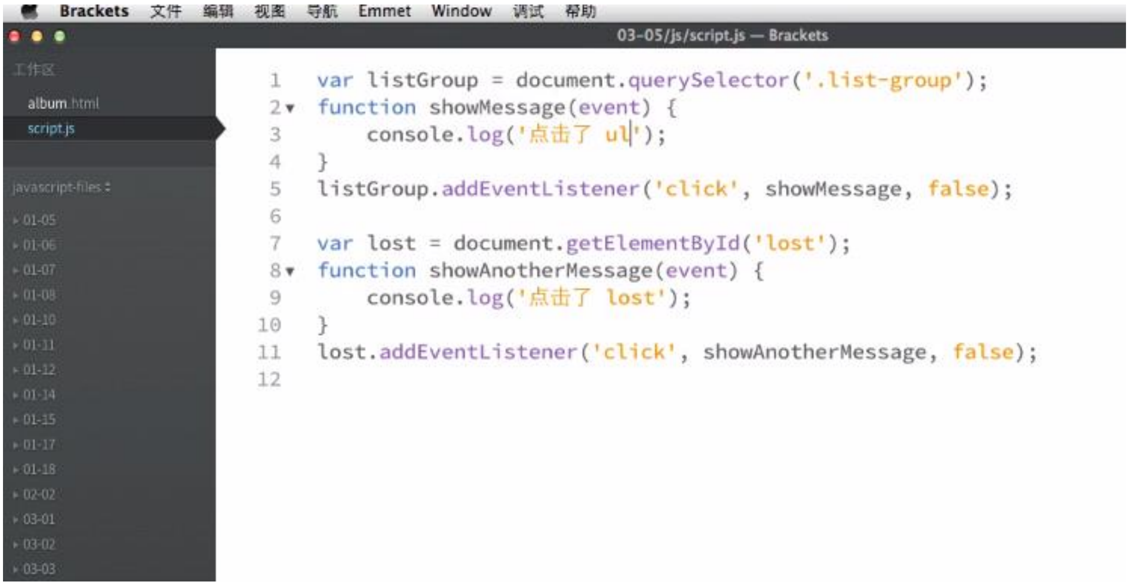

Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Event Propagation
file:///Users/phoenix/Desktop/javascript-files/03-05/album.html
事件
Event Propagation
Atlas
Christmas Lights
Mylo Xyloto
Paradise
Elements Resources Network Sources Timeline Profiles Audits Console

```
atlas                                                                    scrip
christmas_lights                                                         scrip
mylo_xyloto                                                              scrip
paradise                                                                 scrip
>
```

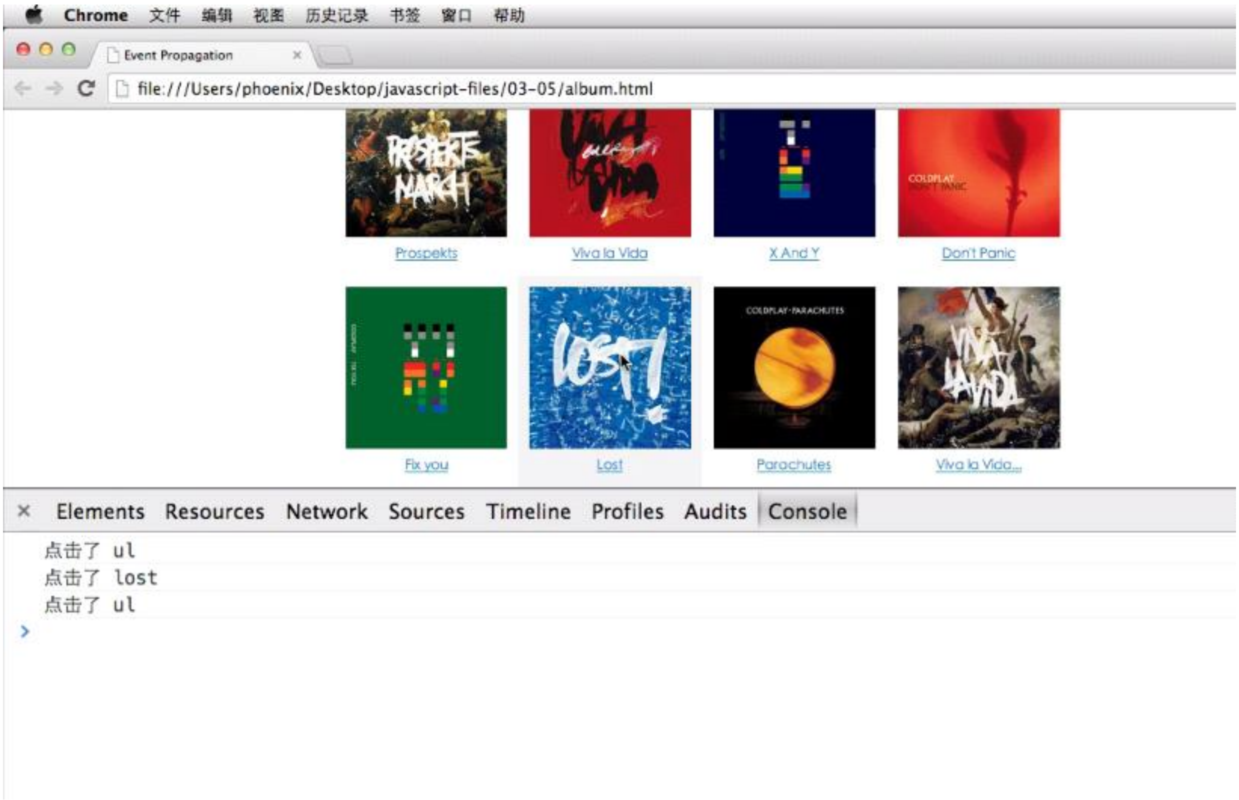
35、更改事件传播方式



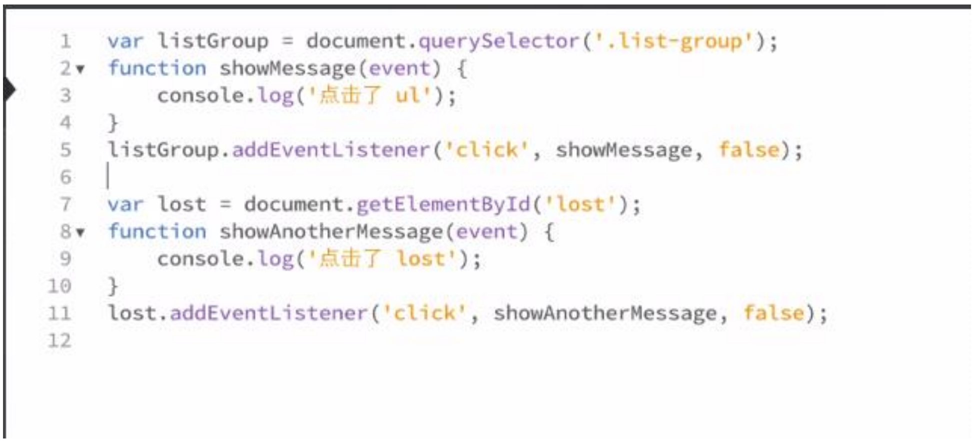
```
                    <h6><a href="#x_y">X And Y</a></h6>
                </li>

                <li class="album" data-album="multiple" id="panic">
                    <img src="images/dont_panic.jpg" alt="dont_panic">
                    <h6><a href="#panic">Don't Panic</a></h6>
                </li>
                <li class="album" data-album="multiple" id="fixyou">
                    <img src="images/fix_you.jpg" alt="fix_you">
                    <h6><a href="#fixyou">Fix you</a></h6>
                </li>
                <li class="album" data-album="single" >
                    <img src="images/Lost.jpg" alt="lost">
                    <h6><a href="#lost">Lost</a></h6>
                </li>
                <li class="album" data-album="multiple" id="parachutes">
                    <img src="images/parachutes.jpg" alt="parachutes">
                    <h6><a href="#parachutes">Parachutes</a></h6>
                </li>
                <li class="album" data-album="multiple" id="vivalavida">
                    <img src="images/viva.jpg" alt="Viva la Vida or...">
                    <h6><a href="#vivalavida">Viva la Vida...</a></h6>
                </li>
            </ul>
        </div>
        <script src="js/script.js"></script>
        <script>

        </script>
    </body>
```



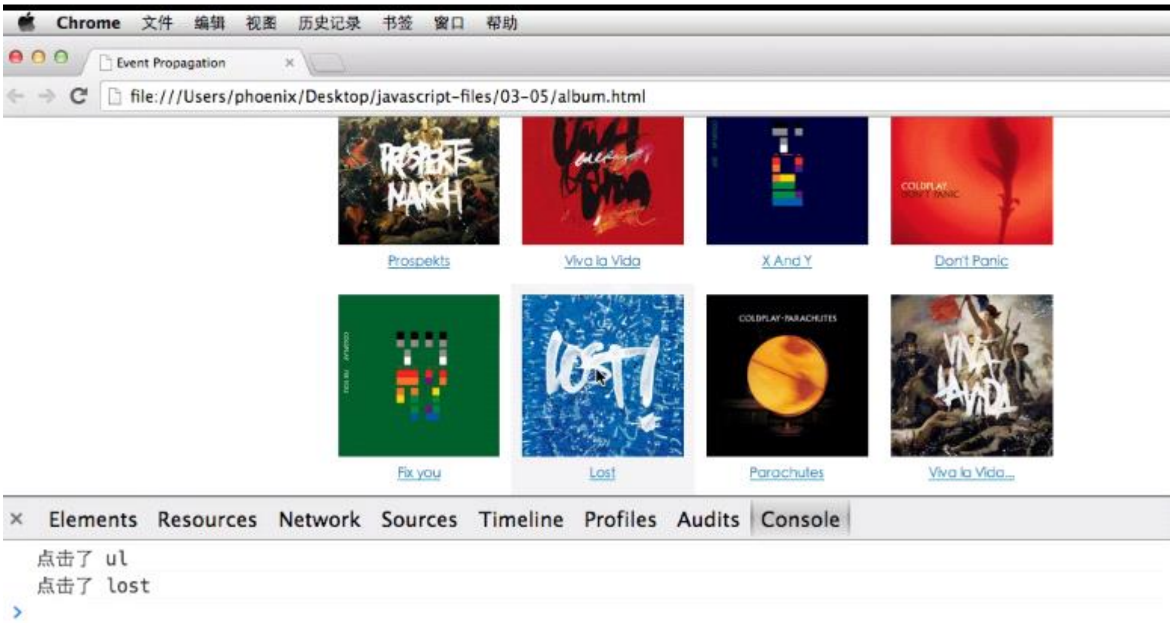
```
var listGroup = document.querySelector('.list-group');
function showMessage(event) {
    console.log('点击了 ul');
}
listGroup.addEventListener('click', showMessage, false);

var lost = document.getElementById('lost');
function showAnotherMessage(event) {
    console.log('点击了 lost');
}
lost.addEventListener('click', showAnotherMessage, false);
```


Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Event Propagation
file:///Users/phoenix/Desktop/javascript-files/03-05/album.html
Prospekts
Viva la Vida
X And Y
Don't Panic
Fix you
Lost
Parachutes
Viva la Vida...
Elements Resources Network Sources Timeline Profiles Audits Console

```
点击了 ul
点击了 lost
点击了 ul
>
```



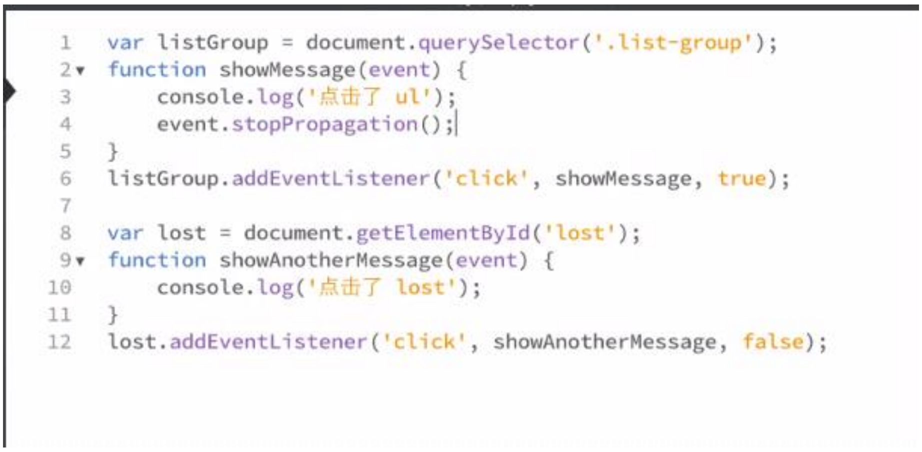
```
var listGroup = document.querySelector('.list-group');
function showMessage(event) {
    console.log('点击了 ul');
}
listGroup.addEventListener('click', showMessage, false);

var lost = document.getElementById('lost');
function showAnotherMessage(event) {
    console.log('点击了 lost');
}
lost.addEventListener('click', showAnotherMessage, false);
```


Chrome 文件 编辑 视图 历史记录 书签 窗口 帮助
Event Propagation
file:///Users/phoenix/Desktop/javascript-files/03-05/album.html
Prospekts
Viva la Vida
X And Y
Don't Panic
Fix you
Lost
Parachutes
Viva la Vida...
Elements Resources Network Sources Timeline Profiles Audits Console

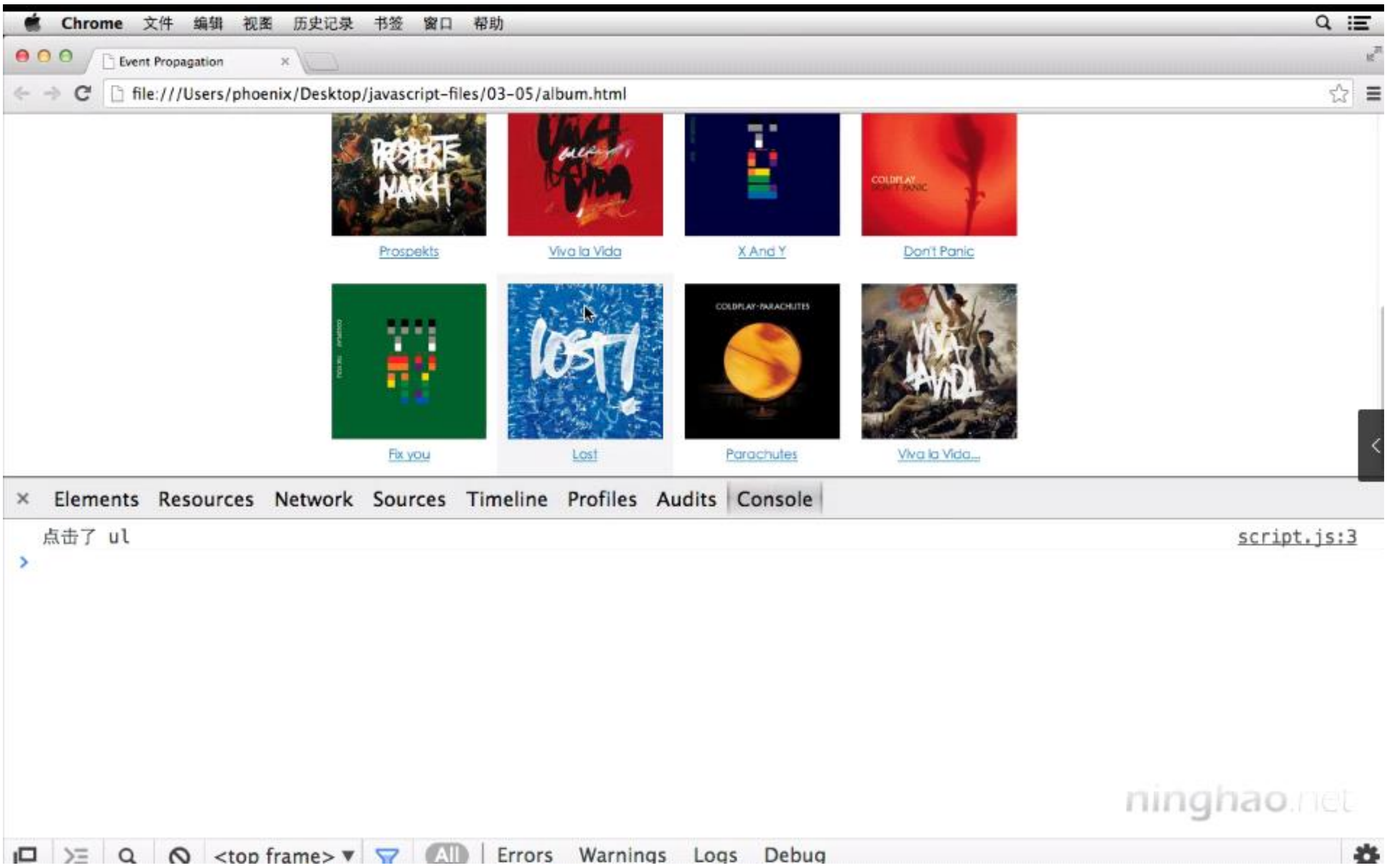
```
点击了 ul
点击了 lost
>
```

事件传播的方式：捕获——由外到内。

36、停止传播事件



```
var listGroup = document.querySelector('.list-group');
function showMessage(event) {
    console.log('点击了 ul');
    event.stopPropagation();
}
listGroup.addEventListener('click', showMessage, true);

var lost = document.getElementById('lost');
function showAnotherMessage(event) {
    console.log('点击了 lost');
}
lost.addEventListener('click', showAnotherMessage, false);
```



```
点击了 ul                                                        script.js:3
>
```