

# 个人作业1- Web前端初探

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杜泽琦-2313508-信息安全

## 任务要求：

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1. 针对任意网页，调研其不同方式请求，

至少包括get、post请求，写出或截图其请求及相应数据包

2. 针对任意网页，使用Jquery，能够触发某一事件，

写出至少三条语句，截图响应前后不同的状态

3. 完成一个浏览器插件，功能不限，文档中写明功能及代码

4. 提交文档（最后和大作业一起交）

文档命名方式：作业1(学号1\_姓名)

eg: 作业1(0912635\_乜鹏).zip（包括文档+插件压缩包）

学习网站：[w3school](http://w3school.com.cn/)

选择网页：[百度](http://www.baidu.com/)

### 个人作业1- Web前端初探

任务要求：

任务一：

1.Get:

2.Post:

任务二：

事件一：触发click事件

事件二：修改字体颜色

事件三：在页面动态插入元素

任务三：浏览器插件（广告清除）

操作步骤：

书写代码：

安装启用插件：

结果：

## 任务一：

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[参考链接](#)

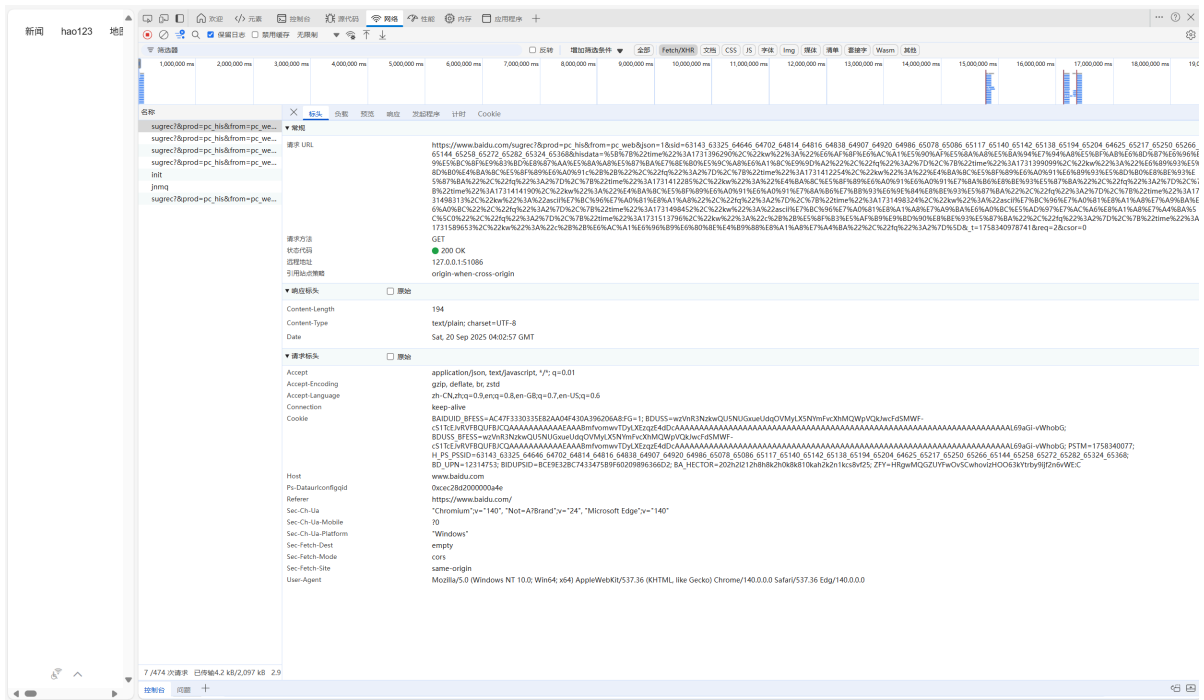
### 1.Get:

访问<https://www.baidu.com/>。

按F12或右键“检查”打开开发者工具，切换到“Network”标签。

勾选“Preserve log”以保留请求日志，点击垃圾桶图标清空现有日志。

确保“All”或“Fetch/XHR”过滤器启用，以捕获所有网络请求。



请求 URL

[https://www.baidu.com/sugrec?](https://www.baidu.com/sugrec?prod=pc_his&from=pc_web&json=1&sid=63143_63325_64646_64702_64814_64816_64838_64907_64920_64986_65078_65086_65117_65140_65142_65138_65194_65204_64625_65217_65250_65266_65144_65258_65272_65282_65324_65368&hisdata=%5B%7B%22time%22%3A1731396290%2C%22kw%22%3A%22%E6%AF%8F%E6%AC%A1%E5%90%AF%E5%8A%A8%E5%BA%94%E7%94%A8%E5%BF%AB%E6%8D%B7%E6%96%B9%E5%BC%8F%E9%83%BD%E8%87%AA%E5%8A%A8%E5%87%BA%E7%8E%B0%E5%9C%A8%E6%A1%8C%E9%9D%A2%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731399099%2C%22kw%22%3A%22%E6%89%93%E5%8D%B0%E4%BA%8C%E5%8F%89%E6%A0%91%2B%2B%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731412254%2C%22kw%22%3A%22%E4%BA%8C%E5%8F%89%E6%A0%91%E6%89%93%E5%8D%B0%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731412285%2C%22kw%22%3A%22%E4%BA%8C%E5%8F%89%E6%A0%91%E6%A0%91%E7%8A%B6%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731414190%2C%22kw%22%3A%22%E4%BA%8C%E5%8F%89%E6%A0%91%E6%A0%91%E7%8A%B6%E7%BB%93%E6%9E%84%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731498313%2C%22kw%22%3A%22asci i%E7%BC%96%E7%A0%81%E8%A1%A8%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731498324%2C%22kw%22%3A%22asci i%E7%BC%96%E7%A0%81%E8%A1%A8%E7%A9%BA%E6%A0%BC%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731498452%2C%22kw%22%3A%22asci i%E7%BC%96%E7%A0%81%E8%A1%A8%E7%A9%BA%E6%A0%BC%E5%AD%97%E7%AC%A6%E8%A1%A8%E7%A4%BA%5C%5C0%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731513796%2C%22kw%22%3A%22c%2B%2B%E5%8F%B3%E5%AF%B9%E9%BD%90%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731589653%2C%22kw%22%3A%22c%2B%2B%E6%AC%A1%E6%96%B9%E6%80%8E%E4%B9%88%E8%A1%A8%E7%A4%BA%22%2C%22fq%22%3A2%7D%5D&_t=1758340978741&req=2&cors=0)

[&prod=pc\\_his&from=pc\\_web&json=1&sid=63143\\_63325\\_64646\\_64702\\_64814\\_64816\\_64838\\_64907\\_64920\\_64986\\_65078\\_65086\\_65117\\_65140\\_65142\\_65138\\_65194\\_65204\\_64625\\_65217\\_65250\\_65266\\_65144\\_65258\\_65272\\_65282\\_65324\\_65368&hisdata=%5B%7B%22time%22%3A1731396290%2C%22kw%22%3A%22%E6%AF%8F%E6%AC%A1%E5%90%AF%E5%8A%A8%E5%BA%94%E7%94%A8%E5%BF%AB%E6%8D%B7%E6%96%B9%E5%BC%8F%E9%83%BD%E8%87%AA%E5%8A%A8%E5%87%BA%E7%8E%B0%E5%9C%A8%E6%A1%8C%E9%9D%A2%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731399099%2C%22kw%22%3A%22%E6%89%93%E5%8D%B0%E4%BA%8C%E5%8F%89%E6%A0%91%2B%2B%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731412254%2C%22kw%22%3A%22%E4%BA%8C%E5%8F%89%E6%A0%91%E6%89%93%E5%8D%B0%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731412285%2C%22kw%22%3A%22%E4%BA%8C%E5%8F%89%E6%A0%91%E6%A0%91%E7%8A%B6%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731414190%2C%22kw%22%3A%22%E4%BA%8C%E5%8F%89%E6%A0%91%E6%A0%91%E7%8A%B6%E7%BB%93%E6%9E%84%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731498313%2C%22kw%22%3A%22asci i%E7%BC%96%E7%A0%81%E8%A1%A8%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731498324%2C%22kw%22%3A%22asci i%E7%BC%96%E7%A0%81%E8%A1%A8%E7%A9%BA%E6%A0%BC%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731498452%2C%22kw%22%3A%22asci i%E7%BC%96%E7%A0%81%E8%A1%A8%E7%A9%BA%E6%A0%BC%E5%AD%97%E7%AC%A6%E8%A1%A8%E7%A4%BA%5C%5C0%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731513796%2C%22kw%22%3A%22c%2B%2B%E5%8F%B3%E5%AF%B9%E9%BD%90%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731589653%2C%22kw%22%3A%22c%2B%2B%E6%AC%A1%E6%96%B9%E6%80%8E%E4%B9%88%E8%A1%A8%E7%A4%BA%22%2C%22fq%22%3A2%7D%5D&\\_t=1758340978741&req=2&cors=0](https://www.baidu.com/sugrec?prod=pc_his&from=pc_web&json=1&sid=63143_63325_64646_64702_64814_64816_64838_64907_64920_64986_65078_65086_65117_65140_65142_65138_65194_65204_64625_65217_65250_65266_65144_65258_65272_65282_65324_65368&hisdata=%5B%7B%22time%22%3A1731396290%2C%22kw%22%3A%22%E6%AF%8F%E6%AC%A1%E5%90%AF%E5%8A%A8%E5%BA%94%E7%94%A8%E5%BF%AB%E6%8D%B7%E6%96%B9%E5%BC%8F%E9%83%BD%E8%87%AA%E5%8A%A8%E5%87%BA%E7%8E%B0%E5%9C%A8%E6%A1%8C%E9%9D%A2%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731399099%2C%22kw%22%3A%22%E6%89%93%E5%8D%B0%E4%BA%8C%E5%8F%89%E6%A0%91%2B%2B%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731412254%2C%22kw%22%3A%22%E4%BA%8C%E5%8F%89%E6%A0%91%E6%89%93%E5%8D%B0%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731412285%2C%22kw%22%3A%22%E4%BA%8C%E5%8F%89%E6%A0%91%E6%A0%91%E7%8A%B6%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731414190%2C%22kw%22%3A%22%E4%BA%8C%E5%8F%89%E6%A0%91%E6%A0%91%E7%8A%B6%E7%BB%93%E6%9E%84%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731498313%2C%22kw%22%3A%22asci i%E7%BC%96%E7%A0%81%E8%A1%A8%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731498324%2C%22kw%22%3A%22asci i%E7%BC%96%E7%A0%81%E8%A1%A8%E7%A9%BA%E6%A0%BC%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731498452%2C%22kw%22%3A%22asci i%E7%BC%96%E7%A0%81%E8%A1%A8%E7%A9%BA%E6%A0%BC%E5%AD%97%E7%AC%A6%E8%A1%A8%E7%A4%BA%5C%5C0%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731513796%2C%22kw%22%3A%22c%2B%2B%E5%8F%B3%E5%AF%B9%E9%BD%90%E8%BE%93%E5%87%BA%22%2C%22fq%22%3A2%7D%2C%7B%22time%22%3A1731589653%2C%22kw%22%3A%22c%2B%2B%E6%AC%A1%E6%96%B9%E6%80%8E%E4%B9%88%E8%A1%A8%E7%A4%BA%22%2C%22fq%22%3A2%7D%5D&_t=1758340978741&req=2&cors=0)

请求方法

GET

状态代码

200 OK

远程地址

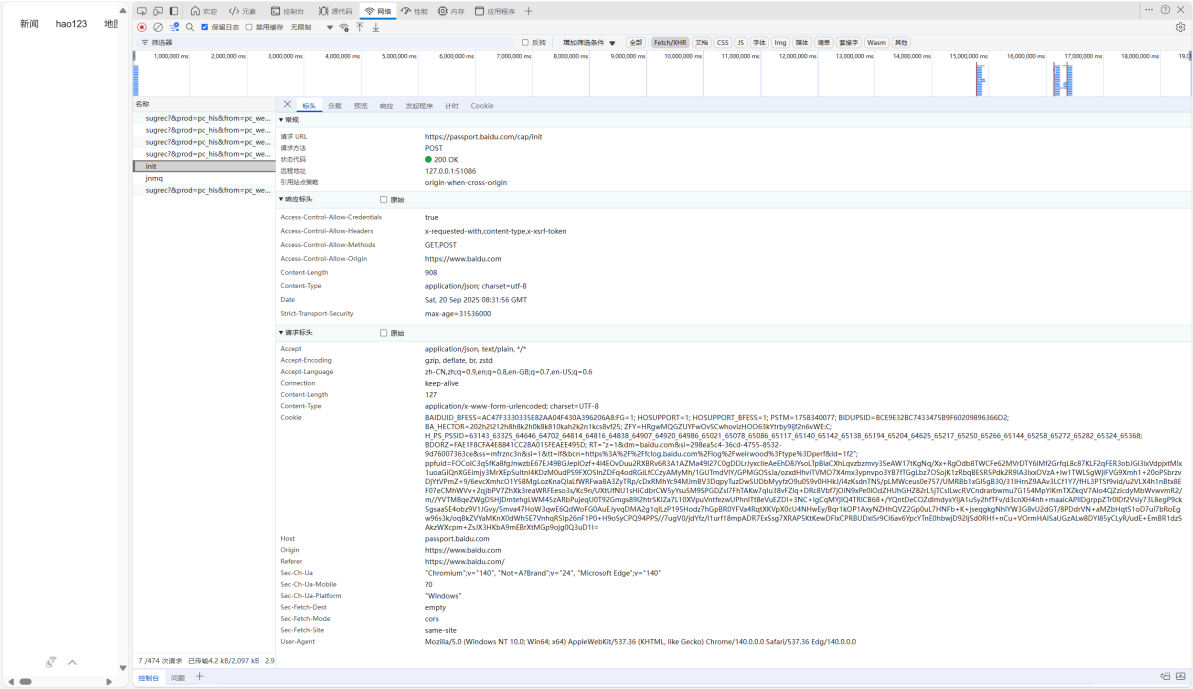
127.0.0.1:51086

引用站点策略

origin-when-cross-origin

## 2.Post:

点击登录按钮，捕捉到Post请求



请求 URL

<https://passport.baidu.com/cap/init>

请求方法

POST

状态代码

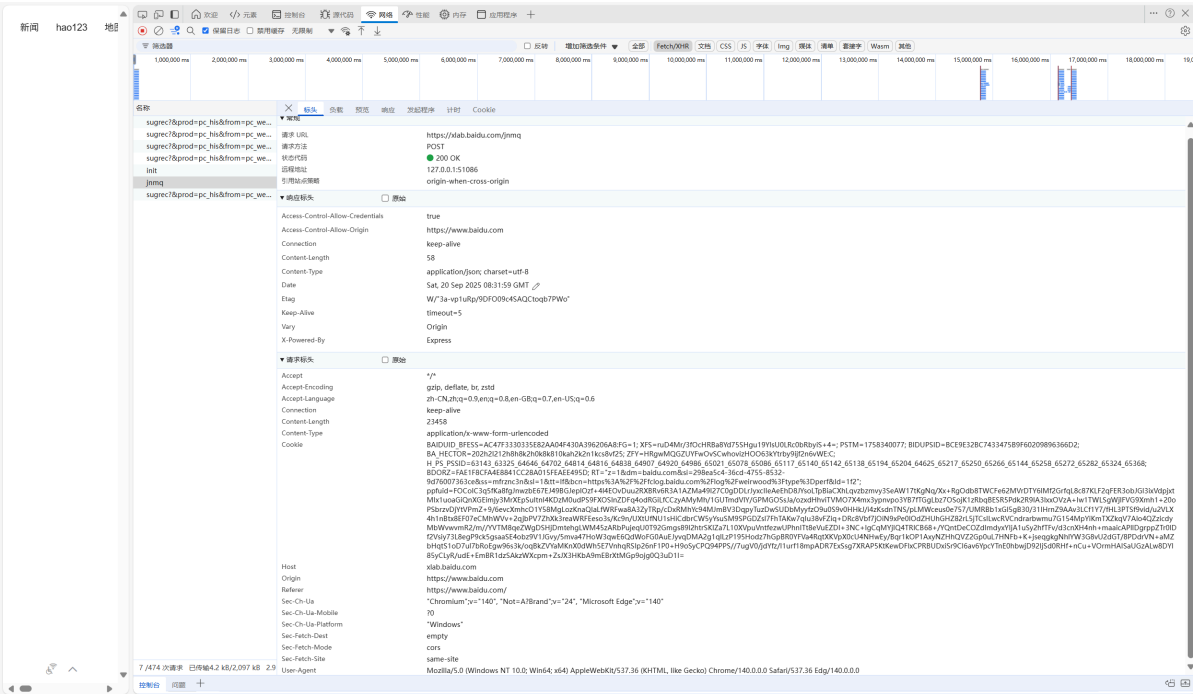
200 OK

远程地址

127.0.0.1:51086

引用站点策略

origin-when-cross-origin



请求 URL  
`https://xlab.baidu.com/jnmq`  
请求方法  
`POST`  
状态代码  
`200 OK`  
远程地址  
`127.0.0.1:51086`  
引用站点策略  
`origin-when-cross-origin`

## 任务二：

### 参考链接

验证当前jQuery版本

```
console.log('当前jQuery版本：' + jQuery.fn.jquery);
```

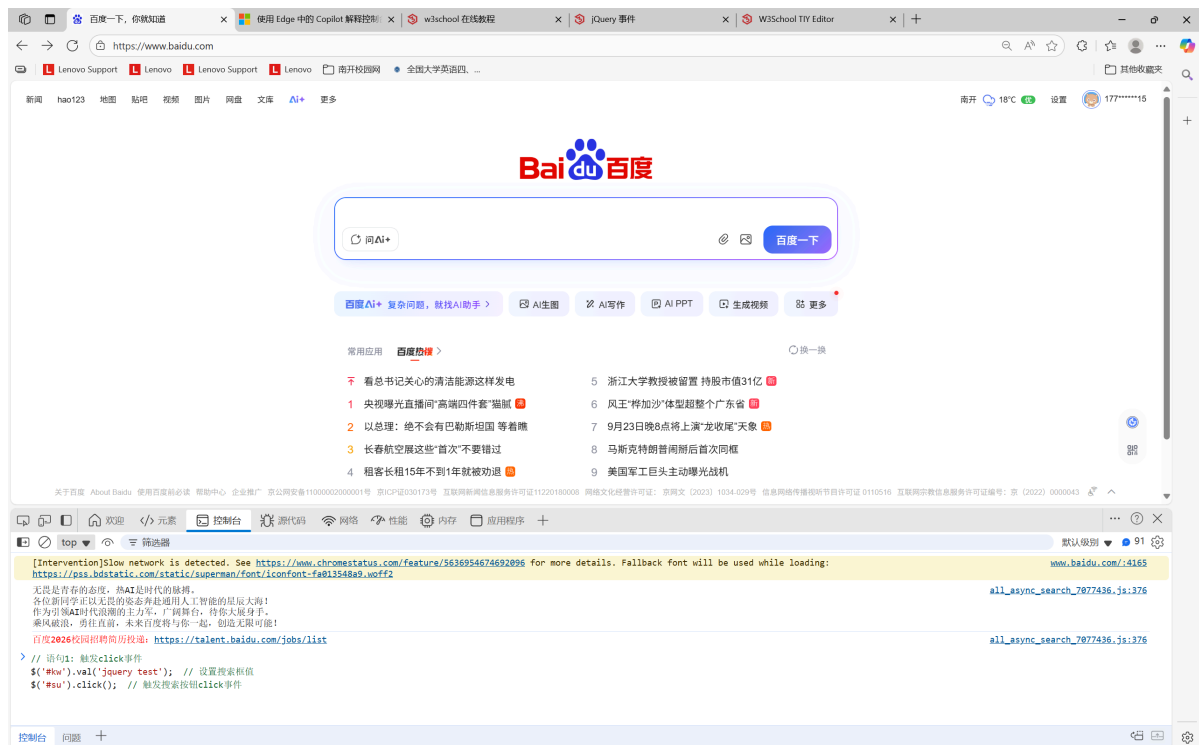
当前jQuery版本: 1.10.2

```
> // 确认使用现有jQuery 1.10.2
console.log('当前jQuery版本：' + jQuery.fn.jquery);
当前jQuery版本: 1.10.2
VM2628:2
undefined
> |
```

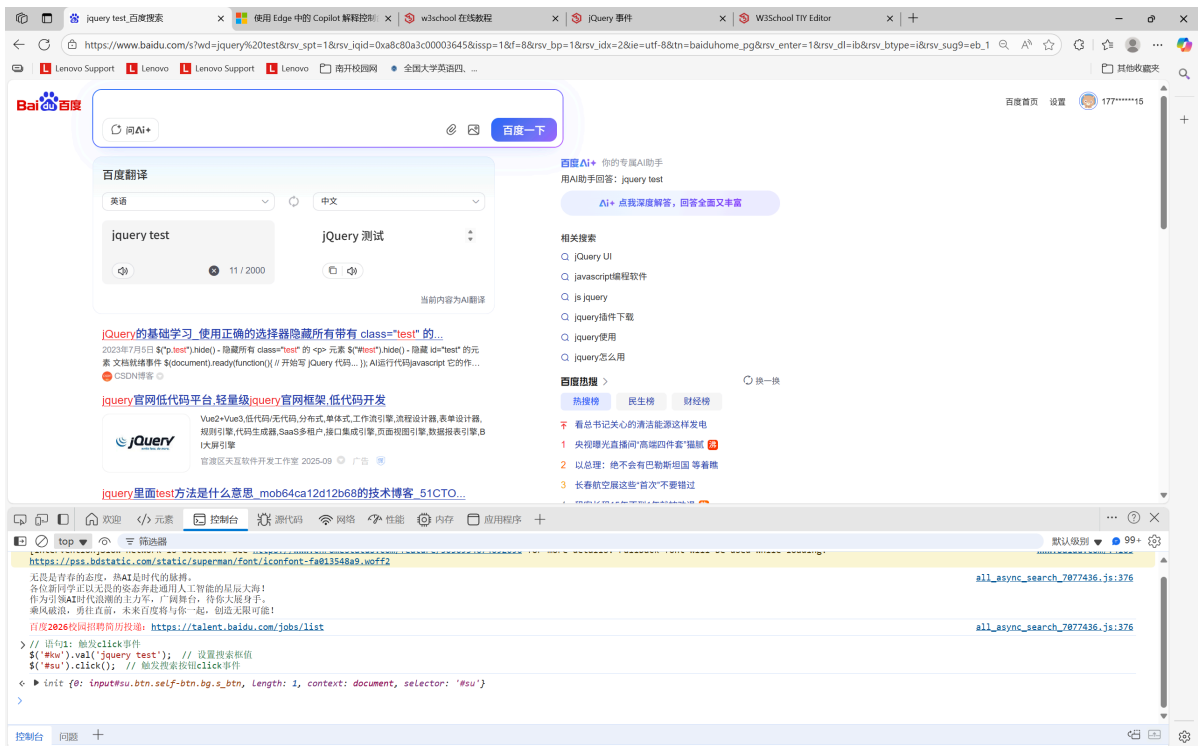
## 事件一：触发click事件

```
// 语句1：触发click事件
$('#kw').val('jquery test');
$('#su').click();
```

触发前：



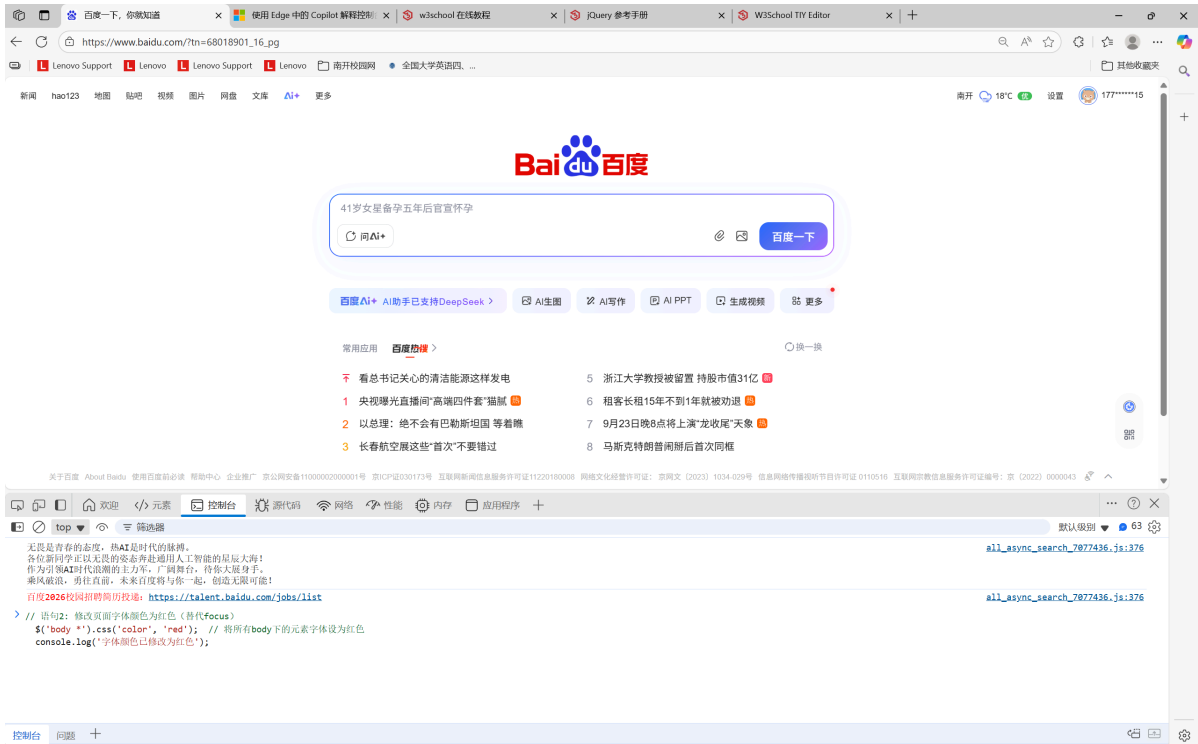
触发后：



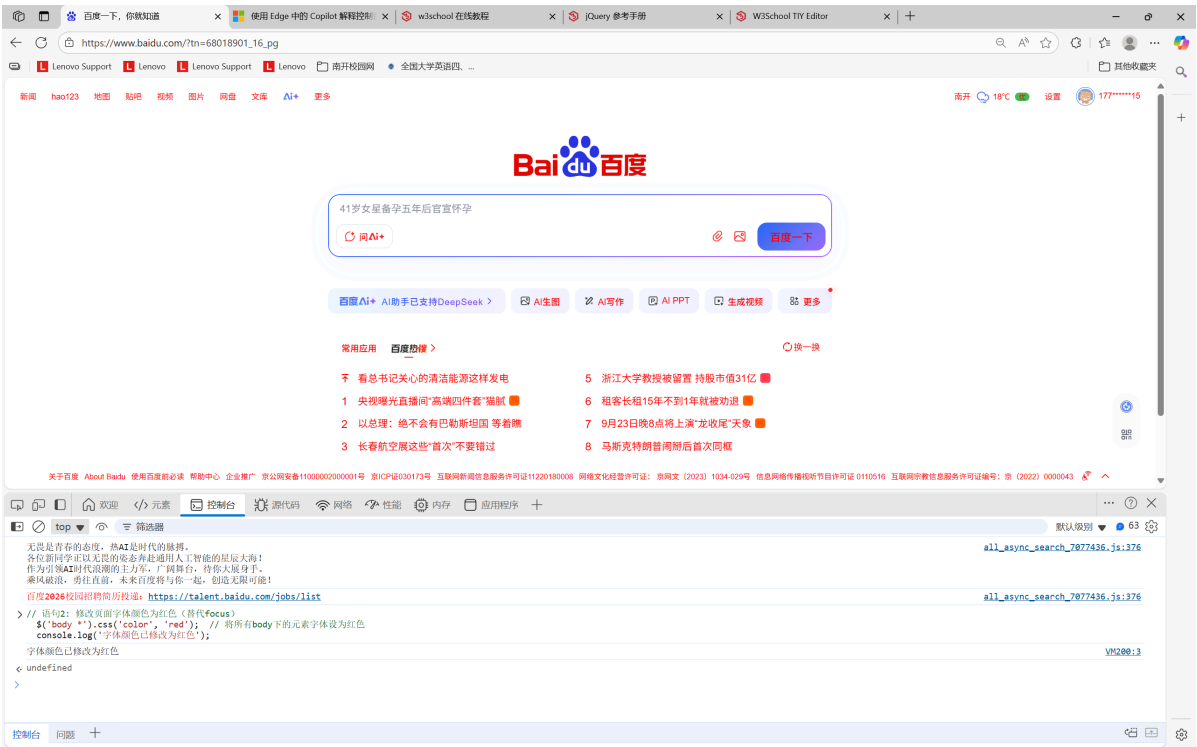
## 事件二：修改字体颜色

```
// 语句2：修改页面字体颜色为红色（替代focus）
$('body *').css('color', 'red'); // 将所有body下的元素字体设为红色
console.log('字体颜色已修改为红色');
```

触发前：



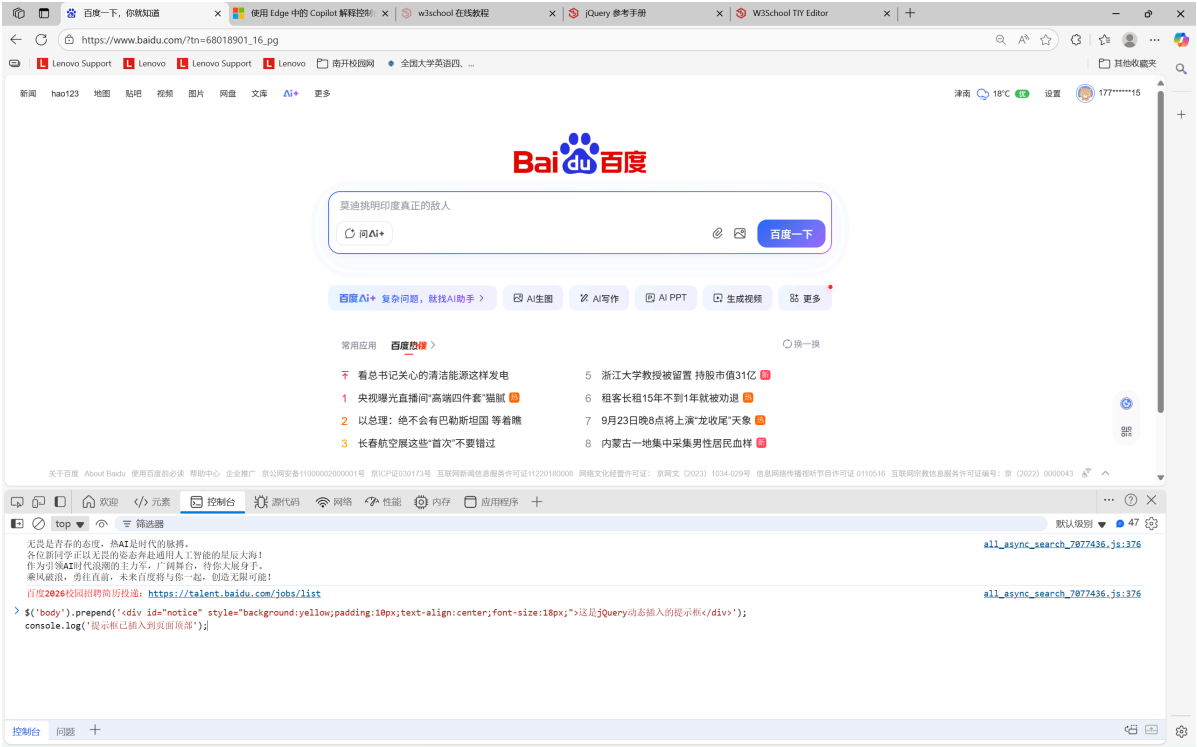
触发后：



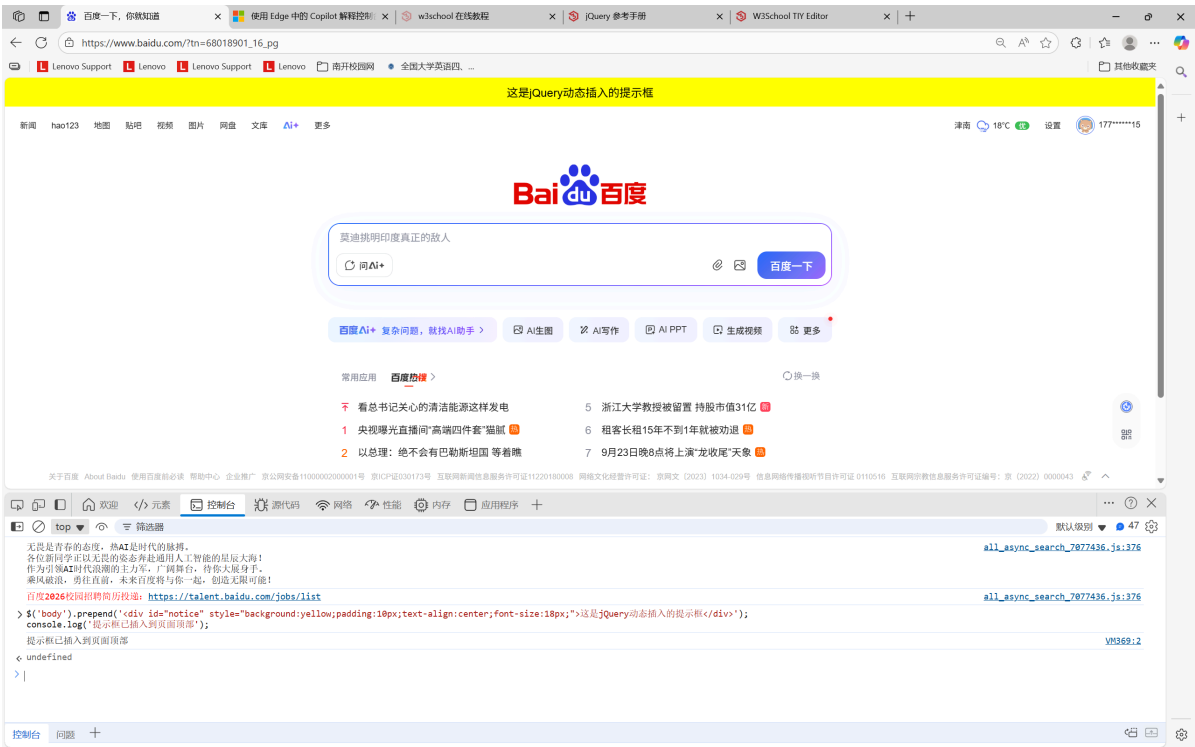
## 事件三：在页面动态插入元素

```
$('#body').prepend('<div id="notice" style="background:yellow;padding:10px;text-align:center;font-size:18px;">这是jQuery动态插入的提示框</div>');  
console.log('提示框已插入到页面顶部');
```

触发前：



触发后：



## 任务三：浏览器插件（广告清除）

功能：清除百度搜索结果中含有“广告”或“推广”标识的链接

### 操作步骤：

#### 书写代码：

文件目录：

```
baidu-ad-remover-extension/  
manifest.json      # 插件信息  
content.js         # 广告清理逻辑  
icon.png           # 叉叉图标
```

manifest.json

```
{  
  "manifest_version": 3,  
  "name": "百度广告清除插件",  
  "version": "1.0",  
  "description": "自动清除百度搜索结果中含有'广告'或'推广'标识的链接",  
  "permissions": ["activeTab", "scripting"],  
  "content_scripts": [  
    {  
      "matches": ["*://www.baidu.com/*"],  
      "js": ["content.js"],  
      "run_at": "document_end"  
    }  
  ],  
  "icons": {  
    "16": "icon.png",  
  }, //这里配了张图标图片  
  "web_accessible_resources": [  
    {  
      "resources": ["icon.png"],  
      "matches": ["*://www.baidu.com/*"]  
    }  
  ]  
}
```

```

    {
      "resources": ["content.js"],
      "matches": ["*://www.baidu.com/*"]
    }
  ]
}

```

content.js

```

// 百度广告清除插件内容脚本（针对“广告”标识优化，Edge兼容）
console.log('广告清除插件运行于:', navigator.userAgent); // 检测浏览器

function removeBaiduAds() {
  // 目标：搜索结果容器
  const resultContainers = document.querySelectorAll('.c-container');

  resultContainers.forEach(container => {
    // 检查容器内的文本是否包含“广告”或“推广”
    const textContent = container.innerText.toLowerCase();
    const hasAdIndicator = textContent.includes('广告') ||
    textContent.includes('推广');

    // 额外检查特定广告标记（如class或data属性）
    const isAd = hasAdIndicator || container.querySelector('.ec') ||
    container.getAttribute('data-click')?.includes('ad');

    if (isAd) {
      container.style.display = 'none'; // 隐藏整个广告块
      container.style.visibility = 'hidden'; // Edge兼容性增强
      console.log('隐藏百度广告块:', container.outerHTML.substring(0, 100)); // 日志输出
    }
  });
}

// 使用MutationObserver监控DOM变化
const observer = new MutationObserver((mutations) => {
  mutations.forEach(() => {
    removeBaiduAds(); // 检测到变化后重新运行
  });
});

// 观察body下的所有变化
observer.observe(document.body, {
  childList: true,
  subtree: true
});

// 初始运行，确保DOM加载完成
window.addEventListener('load', () => {
  console.log('页面加载完成，启动广告清除');
  // 延迟1秒，确保百度动态加载完成
  setTimeout(removeBaiduAds, 1000);
});

```



```
// Edge兼容性检查
if (navigator.userAgent.includes('Edg')) {
    console.log('检测到Microsoft Edge, 延迟执行以确保DOM渲染');
    setTimeout(removeBaiduAds, 1500); // Edge延迟1.5秒
}
```

## 安装启用插件:

在Microsoft Edge扩展页面开启开发者模式

点击加载解压缩的扩展baidu-ad-remover-extension

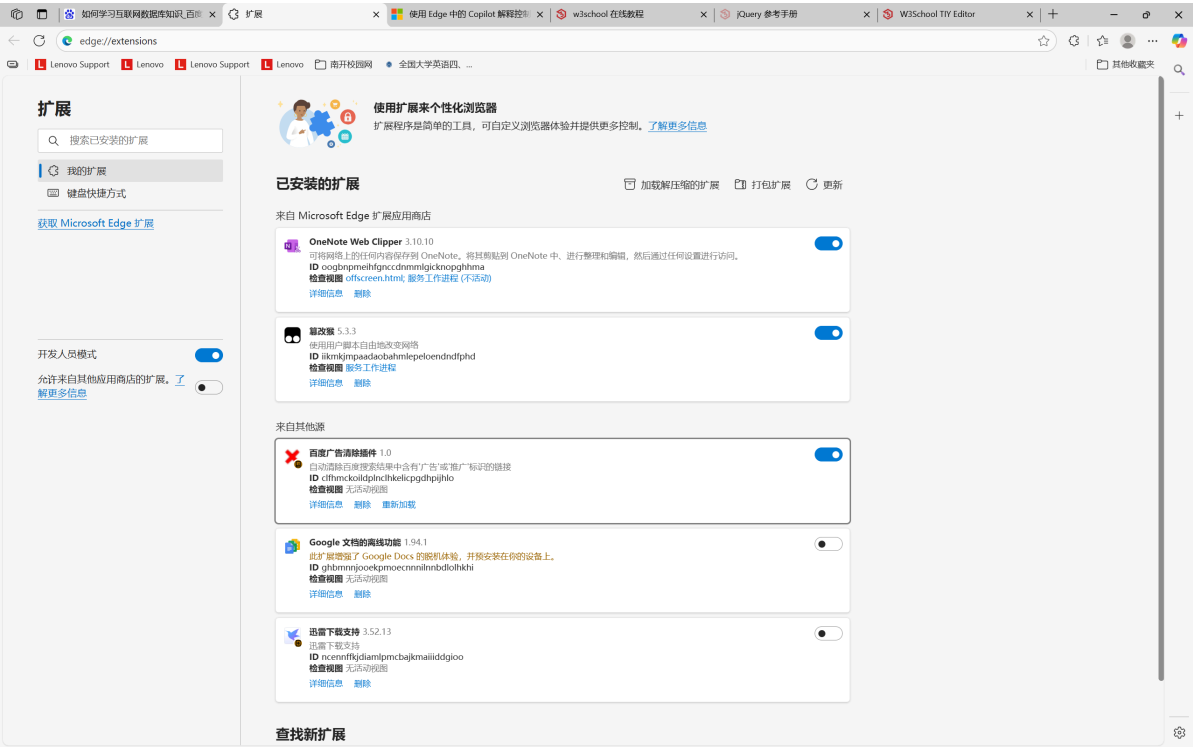
打开百度搜索, 成功删除广告

## 结果:

插件启用前:



启用后



## 查看日志发现正确：

