

HTML, CSS AND JAVASCRIPT

EXERCISE

EXAMPLE 2 WITH JAVASCRIPT



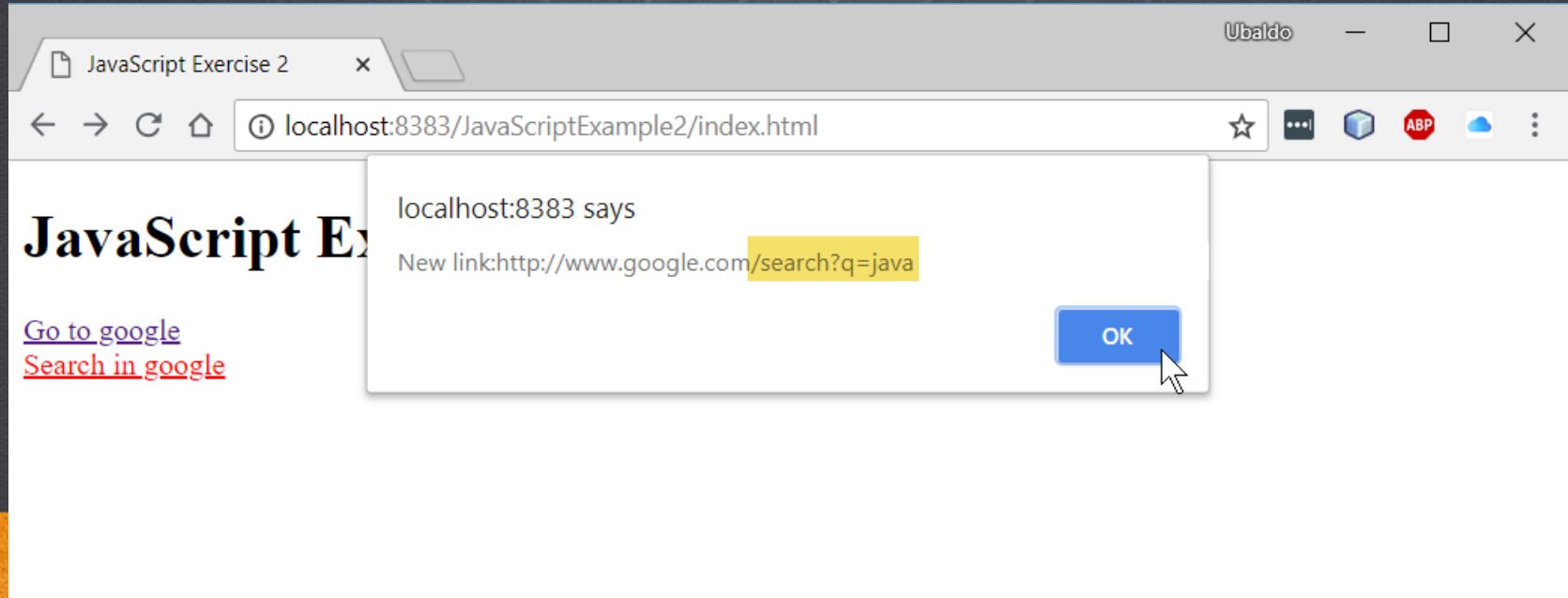
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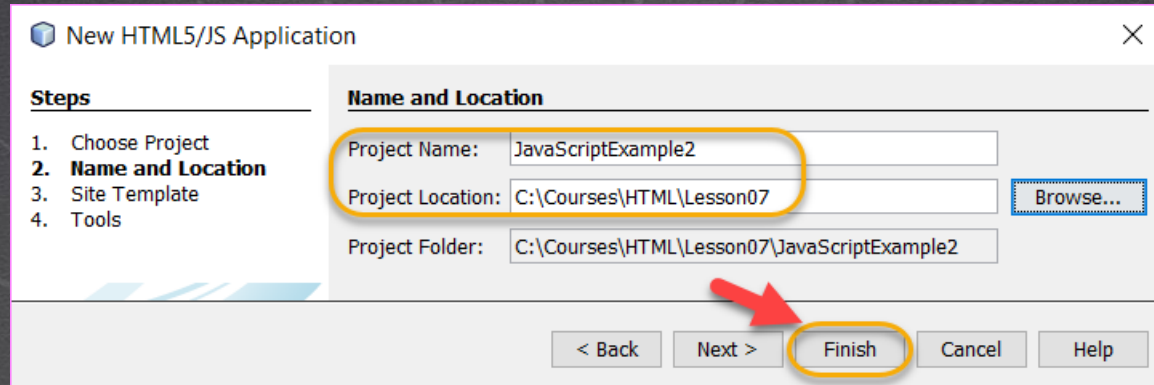
EXERCISE OBJECTIVE

Create a project to implement basic functions with JavaScript.
At the end we will see:



1. CREATE A NEW PROJECT

Vamos a crear el proyecto:



New HTML5/JS Application

Steps

1. Choose Project
- 2. Name and Location**
3. Site Template
4. Tools

Name and Location

Project Name: JavaScriptExample2

Project Location: C:\Courses\HTML\Lesson07 Browse...

Project Folder: C:\Courses\HTML\Lesson07\JavaScriptExample2

< Back Next > **Finish** Cancel Help

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2. CREATE A NEW FILE

Create a new JavaScript file:

New JavaScript File

Steps

1. Choose File Type
2. **Name and Location**

Name and Location

File Name:

Project:

Location:

Folder:

Created File:

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3. MODIFY THE CODE

[functions.js:](#)

Click to donwload

```
/**
 * @author ubaldo
 */
window.onload = startData;

/**
 * Function that is sent to call when HTML page is loaded
 */
function startData() {
    document.getElementById("link").onclick = validateExit;
    document.getElementById("linkSearch").onclick = search;
}

/**
 * Function that validates if the user wants to leave the site or not
 */
function validateExit() {
    if (confirm("Do you want to leave the site?")) {
        alert("We're going to google");
        return true; //We return true to leave
    } else {
        alert("We stay on the site");
        return false; //We return false to stay
    }
}
```

3. MODIFY THE CODE

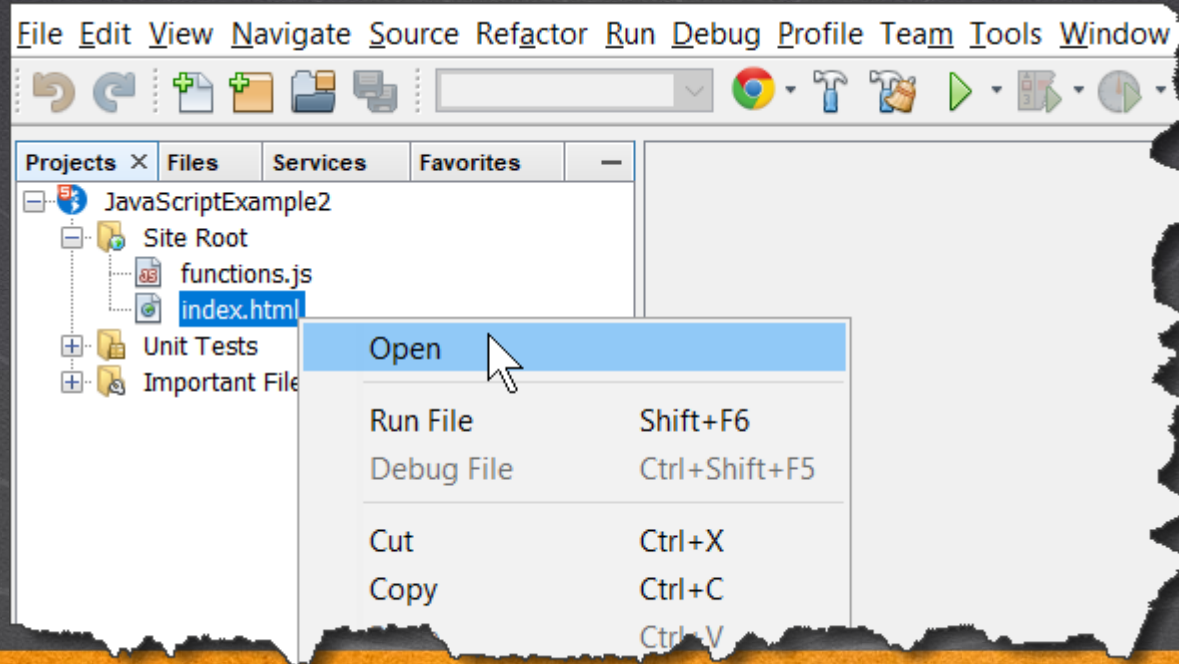
functions.js:

Click to donwload

```
/**
 * Function that asks for a string to search in google
 */
function search() {
    //With the prompt function we capture user information
    var answer = prompt("Write the string to search:", "");
    //if there was an answer we concatenated the String to look for the google link
    if (answer) {
        alert("Your answer was:" + answer);
        // the this operator helps us to reference
        // to the element that caused the event, in this case
        // the element with identifier "linkSearch"
        // and we concatenate the response as a parameter
        // of a request get
        var newLink = this + "search?q=" + answer;
        alert("New link:" + newLink);
        //redirect the link
        window.location = newLink;
        //we return false, but it takes us to the link originally
        //registered in the "linkSearch" element
        return false;
    } else {
        alert("You did not provide any string to search");
        return false;
    }
}
```

4. MODIFY THE FILE

Modify the index.html file:



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4. MODIFY THE CODE

[index.html](#):

Click to download

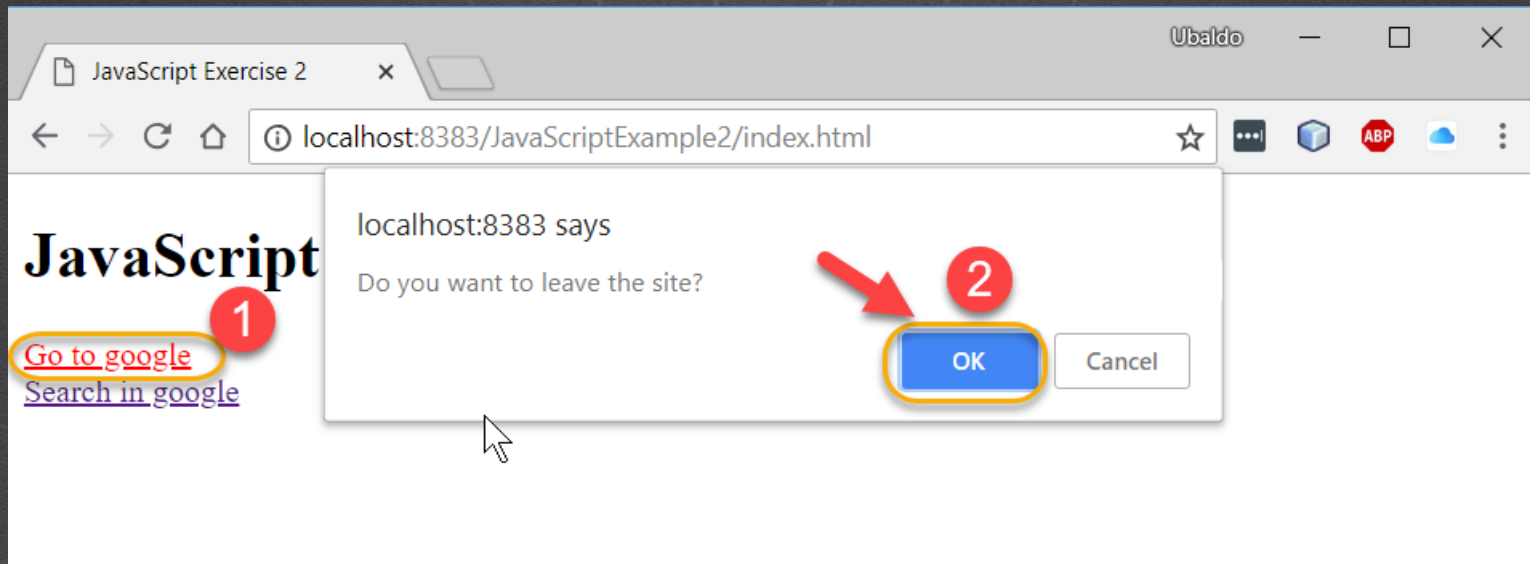
```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>JavaScript Exercise 2</title>
    <script type="text/javascript" src="functions.js"></script>
  </head>
  <body>
    <h1>JavaScript Exericse 2</h1>
    <a id="link" href="http://www.google.com">Go to google</a>
    <br/>
    <a id="searchLink" href="http://www.google.com">Search in google</a>
  </body>
</html>
```

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5. EXECUTE THE PROYECT

The result is as follows:

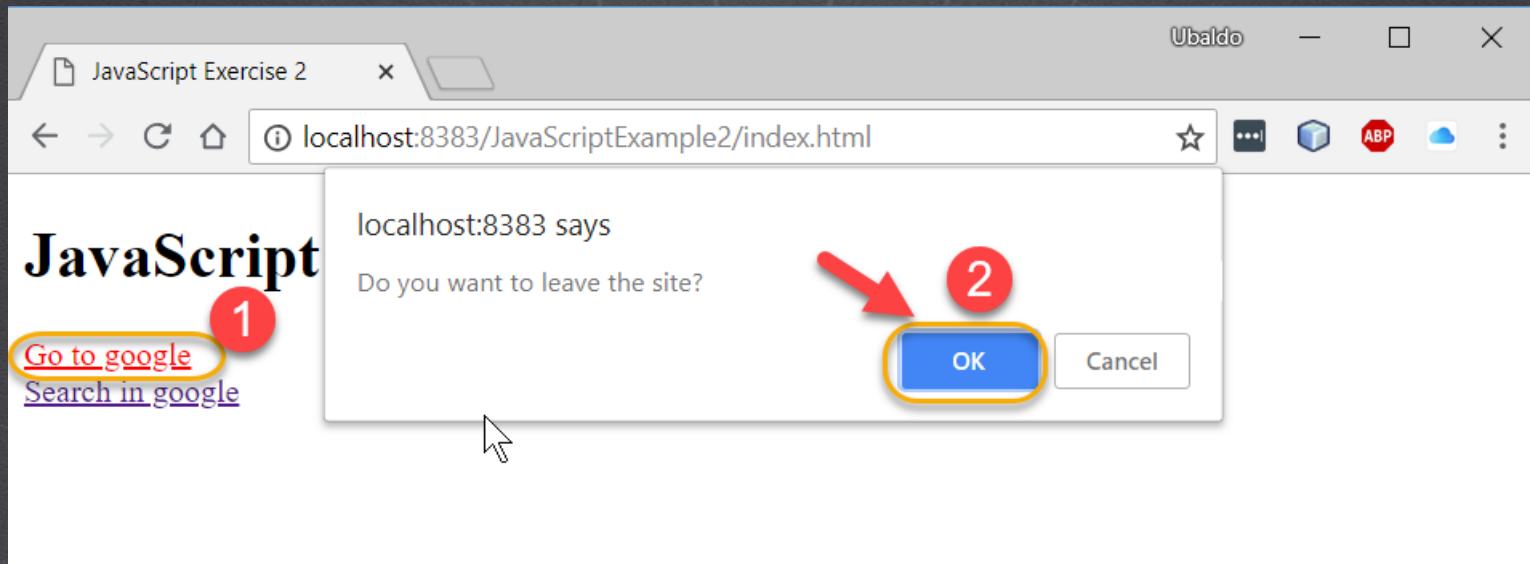


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5. EXECUTE THE PROJYECT

The result is as follows:

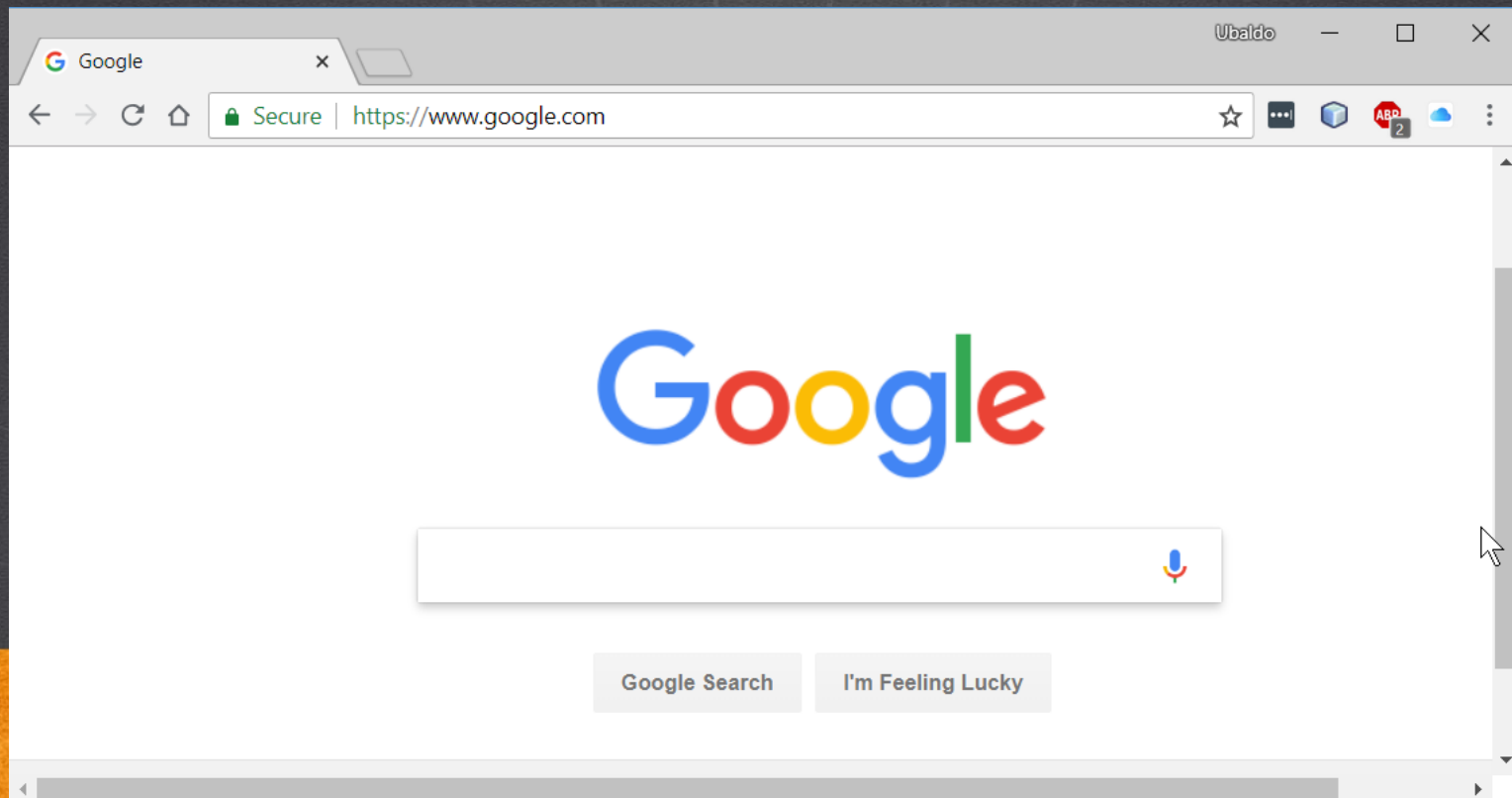


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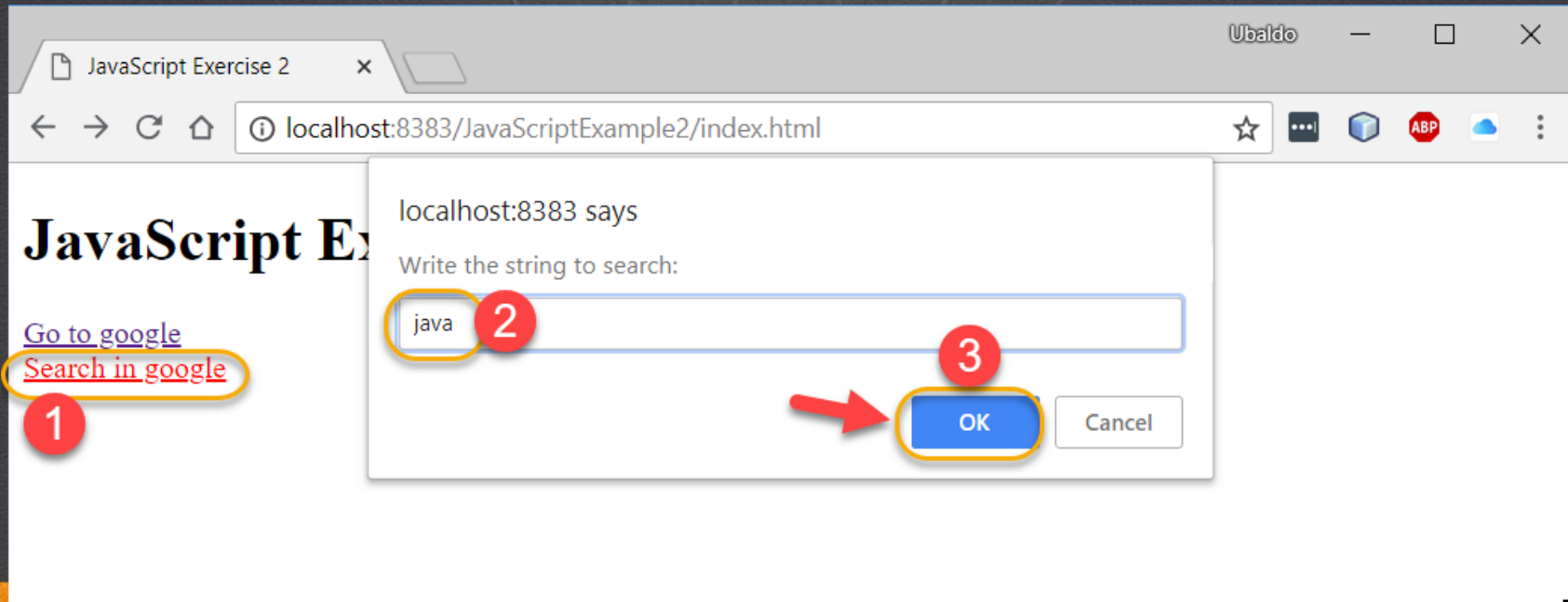
5. EXECUTE THE PROJYECT

The result is as follows:



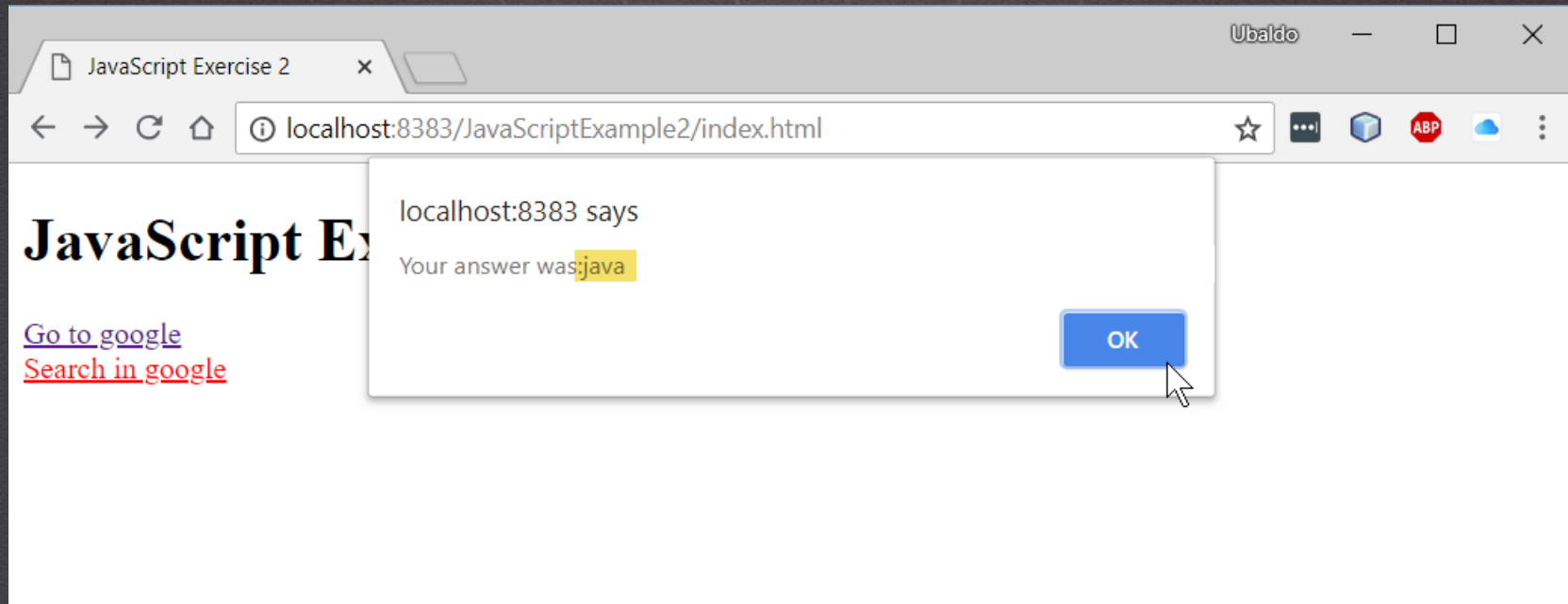
5. EXECUTE THE PROJYECT

The result is as follows:



5. EXECUTE THE PROYECT

The result is as follows:

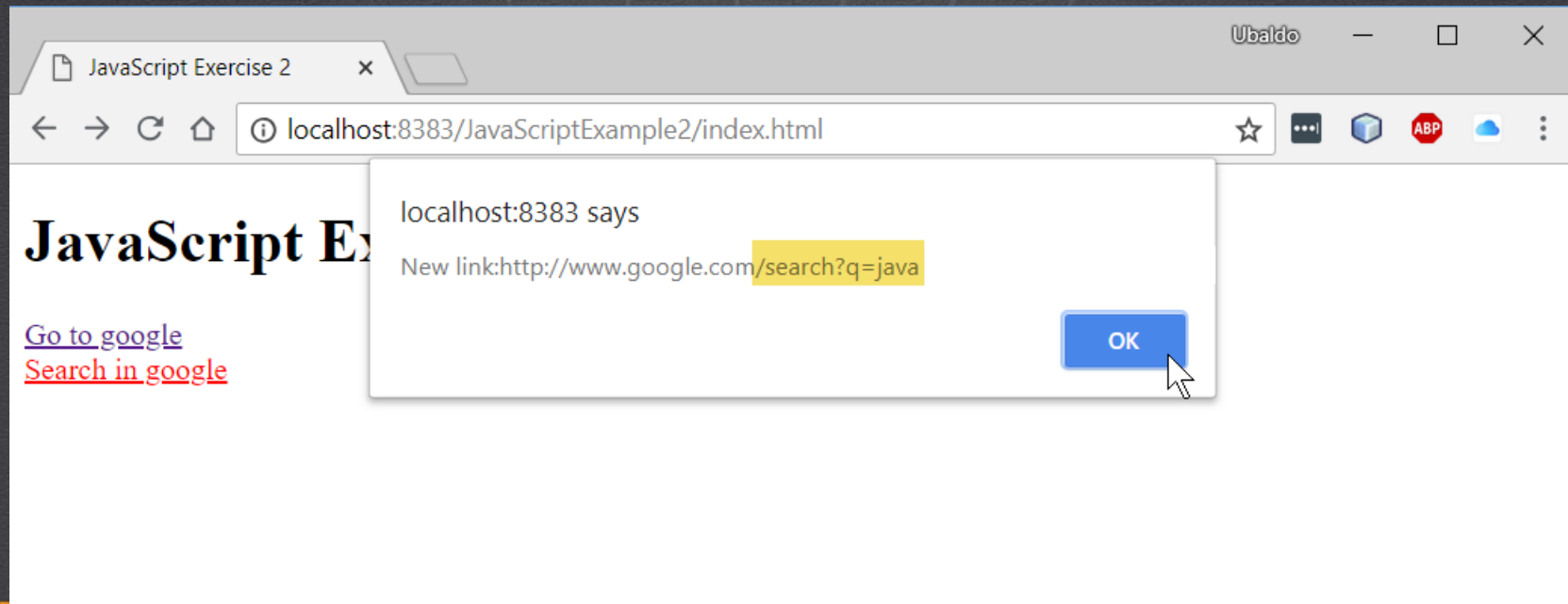


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5. EXECUTE THE PROJYECT

The result is as follows:

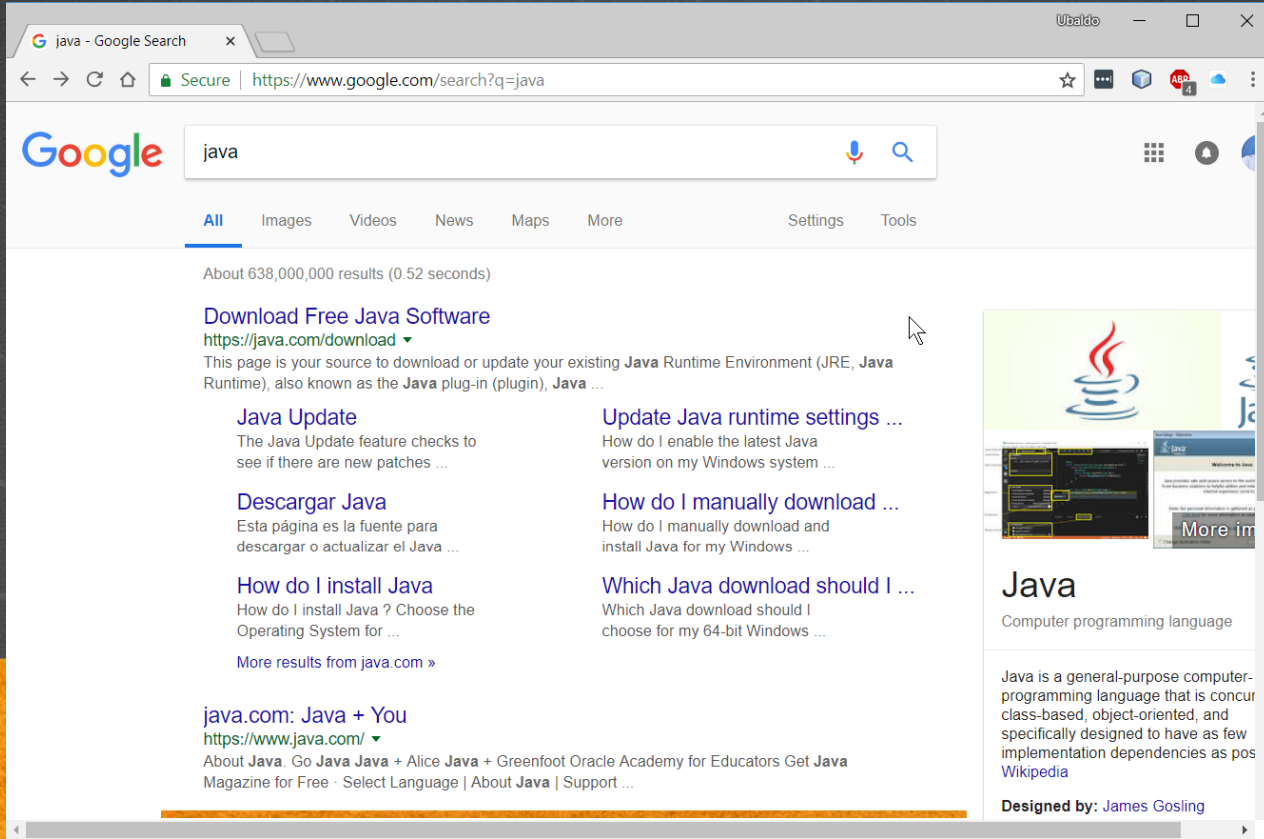


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5. EXECUTE THE PROJEXT

The result is as follows:



EXERCISE CONCLUSION

- With this exercise we have implemented more functions with JavaScript, and we have seen how we can associate the execution of a function to a certain event, for example the onclick event, however, in this same way we can associate any function to any event that happens in our HTML page through the JavaScript code.



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By: Eng. Ubaldo Acosta



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