



JavaScript Hello World Example

Summary: This tutorial helps you get started with JavaScript by showing you how to embed JavaScript code into an HTML page to display the Hello World message.

Creating a JavaScript Hello World project

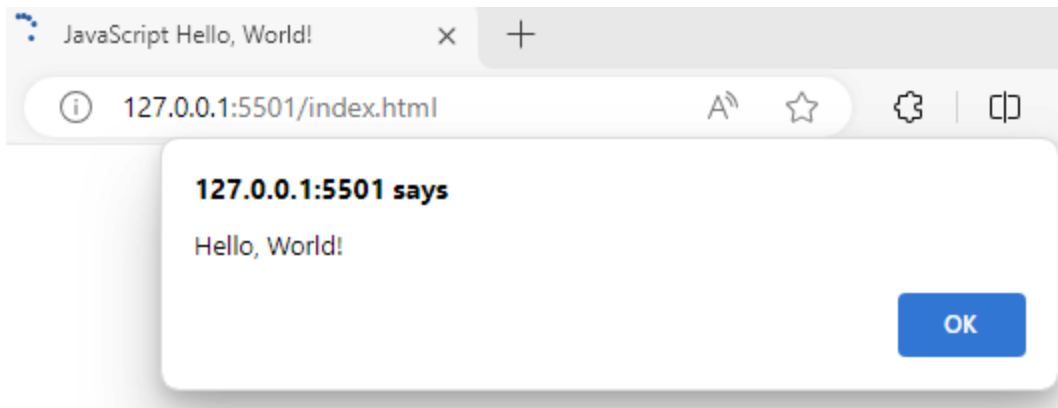
Step 1. Create a new project directory called `helloworld` to store the HTML and JavaScript files.

Step 2. Open the `helloworld` project directory in your favorite code editor. We'll use the VS Code.

Step 3. Create a new HTML file named `index.html` inside the `helloworld` project directory with the following code:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>JavaScript Hello, World!</title>
  </head>
  <body>
    <script>
      alert('Hello, World!');
    </script>
  </body>
</html>
```

Step 4. Right-click the editor and select "Open with Live Server". VS Code will start a web server and open the `index.html` in the default web browser:



How it works.

First, use the `<script>` element to insert JavaScript into the `index.html` file:

```
<script>
  alert('Hello, World!');
</script>
```

Second, call the `alert()` function to display an alert on the web browser:

```
alert('Hello, World!');
```

The `alert()` is a built-in function available on a web browser for displaying an alert.

It's important to note that placing JavaScript code inside the `<script>` element directly in HTML is not recommended and should be used only for proof of concept or testing purposes.

A common way to embed JavaScript code in an HTML document is to create a new JavaScript file and use a `<script>` tag to reference it.

Including an external JavaScript file

Step 1. Create a new directory in the project directory called `js`. By convention, we place the JavaScript files in a directory called `js`, which stands for JavaScript.

Step 2. Create a new `app.js` file in the `js` directory with the following code:

```
alert('Hello, World!');
```

Step 3. Modify the `index.html` to include the `app.js` file before the `body` closing tag:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>JavaScript Hello, World!</title>
  </head>
  <body>
    <script src="js/app.js"></script>
  </body>
</html>
```

How it works.

The following includes the `app.js` file from the `js` directory in the `index.html` file:

```
<script src="js/app.js"></script>
```

In this syntax, we place the path to the JavaScript file in the `src` attribute of the `<script>` tag.

When the web browser encounters the `<script>` tag, it downloads the `app.js` file specified in the `src` attribute and executes the JavaScript file.

Summary

- Use `<script>` element to include a JavaScript file in an HTML page.
- Use `alert()` function to display an alert in the web browser.

Quiz