
JAVASCRIPT

Events

Objectives

In this exercise you will learn how to make use of events in JavaScript.

Reference material

This exercise is based on material from the Events chapter.

Overview

- In this lab you'll exercise events using code.

Estimated duration

The estimated duration for this lab is 30 minutes.

Completed solution

There is a completed solution for this lab.

Step by step instructions

1. Create a new website in Code, or open an existing website you've been working on.
2. Add a element, and give it an id of your choice. Add some text to the element.
3. Add an onload attribute to the <body> element of the page. In the onload attribute, change the colour of the you added.

   Hint: the object returned by getElementById doesn't have a color property – but it *does* have a style property, and this in turn has a color property.

   Note that accessing the from the onload event does not cause an error, even though it comes before the . This is because the onload event doesn't fire until the page is completely loaded, including the being loaded.
4. Add two buttons, just after the . The text of the buttons should be Show and Hide.
5. Add an onclick attribute to each of the buttons. In the show button, set the style.display property of the to block. In the hide button, set the style.display property of the to none.

   Hint: You might want to create two functions, in a <script> element within the <head>. Then, from the <onclick> event, you can call these functions.

You don't have to do it this way; if you want to make the change from directly within the <onclick> event, you can. Which way do you think is better? Why?

From your knowledge of CSS, can you explain why this does what it does? Can you find another property of the element, which is not part of the **style** property (and therefore not connected to CSS), which does the same thing?

6. Add a **NoScript** element to your page. Use the options within your browser to turn off JavaScript, and check the NoScript element does what you expected. Remember to turn JavaScript back on afterwards!

   To turn JavaScript off:

   - In Internet Explorer:
     - Select the **Gear** icon, then **Internet Options**.
     - Go to the **Security** tab.
     - Choose **Custom**.
     - Scroll down to **Scripting**.
     - Under Active Scripting, select **Disable**.
   - In Google Chrome:
     - Select the menu button, then choose **Settings**.
     - Choose **Show Advanced Settings**.
     - Select **Content Settings**.
     - Tick the radio button next to **Do Not Allow Any Site To Run JavaScript**.