1. Open the text editor of your choice.
2. Create the shell for the html document.

<!DOCTYPE html>

<html>

<head>

<title>Event Listener Example</title>

</head>

<body>

</body>

</html>

1. Save the file as EventListener.html
2. In between the body tags enter the following:

<h2>JavaScript addEventListener()</h2>

<p>This example uses the addEventListener() method to execute a function when a user clicks on a button.</p>

<button id="myBtn">Try it</button>

1. Save the file
2. Create a new file in the text editor of your choice.
3. Save the file as Events.js in the same folder as EventListener.html.
4. Enter the following:

// JavaScript source code

document.getElementById("myBtn").addEventListener("click", myFunction);

function myFunction() {

alert("Hello World!");

}

1. Save the file
2. Move back to EventListener.html in the editor and add the following in the head section

<script src="Events.js"></script>

1. Save the file
2. Open EventListener.html in a web browser and click the button. What happens? Nothing!
3. Move back to EventListener.html in the editor and edit the script tag to include defer:

<script defer src="Events.js"></script>

1. Save the file
2. Move back to the web browser and refresh EventListener.html
3. Click the button and note that you should see an alert.

So what did we learn:

1. How to add an event listener to an element.
2. When we add the event listener it must come after the element is loaded, hence why we needed to defer the running of the script.
3. This lab was developed from W3Schools example on event listeners. Please visit [this link](https://www.w3schools.com/js/js_htmldom_eventlistener.asp) to learn much more.