

LAB 3

Document Object Model

Please open the folder containing the HTML and JavaScript in Visual Studio Code and use it as a starting point.

Do not change the provided HTML, the exercises should be solved by writing and manipulating the script.js file only.

Exercise 1

1. Select the `<h1>` element using its ID. It is currently missing some text, please add some.
2. Check the website to see if your headline contains your new text.

Exercise 2



```
<body>
  <h1 id="headline"></h1>
  <div id="content">
    <p>Lorem ipsum dolor sit amet.</p>
  </div>
  <script src="script.js"></script>
</body>
```

Figure 1

1. Create a new paragraph element.
2. Add some text to your new paragraph element.
3. Add the new paragraph after the paragraph shown on Figure 1.
4. Check the website to see if your new paragraph is added below the existing one.

Exercise 3

1. Remove the JavaScript image from the DOM by using its class name.
2. Check the website to see if the image is removed.

Exercise 4

1. Add a click event listener to the button that alerts "You clicked me" when clicked. Use an arrow function as the second parameter.
2. Check the website to see if the button alerts your message when you click on it.

Exercise 5

1. Create a new `` element.

2. Change its **src** attribute to the following:

<https://www.kristingjelsvik.no/wp-content/uploads/2016/07/famous-summer-pool-tumblr-summer.jpg>

3. Change its **alt** text to the following: "Hello summer!".

4. Make the image appear after the button on your website

(Hint: <https://developer.mozilla.org/en-US/docs/Web/API/Element/after>).

5. Check the website to see that your new image is added.

Exercise 6

1. Further down on your webpage there is an input field with a value of "Carlos". Get the value of this text input and save it in a variable.

2. Add the saved value from the input field inside the `` which has an ID of "dispName".

3. Check the website. It should now say: "Your name is: **Carlos**".

Exercise 7

At the bottom of your website there is an unordered list. Please add event listeners to each of the list items, so when you click on any of the items, it will be removed from the list.

1. Use `querySelectorAll` to reference all the list items on your webpage.

2. Loop through all the list items, and attach an event listener to each list item. The event type should be `click`, and the second parameter should be a function called `removeItem`.

3. Create a function called `removeItem`.

4. Inside of the function, make use of the **this** keyword to remove the list item being clicked from the DOM. (this: <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/this>)

5. Test your website to see that it works. When you click on any of the list items, it should be removed from the DOM.