

Lab 4 - DOM and Events

Add the code solutions to the `js/main.js`, underneath all code examples.
There you will find a section for answering lab 4 exercises

1. DOM Manipulation

Exercise 1 (1 point)

Change the title at the top to 'Learning how to handle JS DOM and events'.

Use `getElementById` and `innerHTML`.

Answer with the result.

Exercise 2 (2 points)

Replace the circles' CSS class `.box` with `.green-box`. Google how to remove/add classes to elements using JS.

Use `getElementsByTagName` to first retrieve all elements, and a for-loop to replace all classes.

Answer with the result.

Exercise 3 (2 points)

The circles' height and width are set to 100px via the CSS class `.green-box`. Change the circles' height and width to 120px. Google how to change an element's height and width in JS.

Use `getElementsByClassName` to first retrieve all elements, and a for-loop to make the change.

Answer with the result.

Exercise 4 (1 point)

Give box 5 an orange border.

Use `querySelector` to first retrieve the element.

Answer with the result.

2. Creating and Modifying Elements

Exercise 5 (2 points)

Add a new link 'My second link :)' in the beige box.

Use `getElementById` to retrieve the beige box.

Use `createElement` to create the new link.

Use `appendChild` to add the link to the beige box.

Answer with the result.

Exercise 6 (1 point)

Add the attribute href with the value '#####' to the new link.

Add the attribute target with the value '_blank' to the new link.

Use setAttribute to add the new attributes.

Answer with the result.

Exercise 7 (2 points)

Add a new img tag (image) in main#content.

Add the attribute src with any value of your choice.

Add the attribute width with the value 100.

Add the attribute height with the value 100.

Answer with the result.

3. Event Listeners

Exercise 8 (1 point)

Add an event listener 'mouseover' on your image that displays text via alert().

Answer with the result.

Exercise 9 (2 points)

Add an event listener on your link from exercise 5 that deletes all content in the beige box.

Use DOM navigation mySecondLink.parentNode to retrieve the beige box, which is the parent of the link.

Answer with the result.

Exercise 10 (4 points)

Create a new section.

Add a border to the newly created section.

Set the section's height to 100px.

Set the section's width to 200px.

Create 2 buttons with the text:

- "Green"
- "Blue"

Add event listeners to both buttons that adjust the newly created section's background color.

The "Green" button changes the background color to green, etc.

Add both buttons inside the section.
Add the section to main#content.

Answer with the result.