Recap exercises

Advanced JavaScript for Web Sites and Web Applications

JavaScript Recap Exercises

Before you begin

- Download and extract the *workshop1.zip* file to a location in your workspace.
- The zip file contains several HTML and JavaScript files. For this exercise, you will be working with `recap.html` and `recap.js`. Open both of these files in your editor and review the code.
- You should also open `recap.html` in your browser.

Task 1

When you click on **Button 1**, an *alert* opens with a message.

Modify the code in `recap.js` so that the message is logged in the console and the alert message is not displayed.

Remember, to open the console in Firefox, click *Ctrl + Shift + i*, or right-click somewhere on the page and select *inspect element*

Task 2

Modify the *event listener* callback function in `recap.js` so that when you click the button, the content of the <h1> tag is changed to *Clicked!*

To do this you will need to:

- Get a reference to the <h1> element (it has the id: *headline*)
- Use the `textContent` property of the heading element to set the new text.

Note, you should place the code to get a reference to the <h1> element at the top of the page, not inside the callback function (we will be using it with other functions).

Task 3

In addition to changing the text of the heading, add some code to the callback function so that the CSS class: **clicked** is added to the <h1> element.

To do this, you will need to use the `add()` method of the element's `classList` property.

E.g.: `element.classList.add('clicked');`

Task 4

In `recap.js`, create a second *event listener* that runs when **Button 2** is clicked.

When the button is clicked, you will *toggle* the class **yellow** on the <h1> element.

To do this you will need to:

- Get a reference to the *Button 2* element (it has the id: *button2*)
- Add an event listener to Button 2
- In the event listener callback function, use the `toggle()` method of the heading element's `classList` property to add/remove the **yellow** class

When this is working, repeat the task for **Button 3**, but this time, the class you are toggling is **green**

Task 5

In `recap.js`, create another *event listener* that runs when the **Add content** button is clicked.

When the element is clicked, you will add a new paragraph to the element that has the id **content**.

The HTML for the paragraph should look something like:

```
<p>I am a new paragraph</p>
```

To do this, you will need to:

- Get a reference to the button (it has the id: *button4*)
- Get a reference to the content element (it has the id: *content*)
- Use the `insertAdjacentHTML()` function to add the paragraph to the content element. For the position argument, you should use *beforeend*.