

W02 Reading (L3)

The Window Object

1. The Browser Object Model (BOM)

BOM is used to interact with the browser and is a collection of properties and methods that contain information about browser and computer screen:

- Window : ブラウザのウィンドウ全体
- Document : DOM (Document Object Model)
- Location : URL 情報
- Navigator : ブラウザの種類やバージョン等
- History : 閲覧履歴
- Screen : モニターの情報
- Console : コンソールへの出力
- Storage : Web ストレージ

2. The browser history

The `window.history` property can be used to access information about pages that you visited.

`window.history.length` : how many pages have been visited before arriving at the current page.

`window.history.go()` ; can be used to go to a specific page.

`window.history.go (1)`; goes forward 1 page.

`window.history.go(0)`; reloads the current page.

`window.history.go(-1)`; goes back 1 page.

3. Cookie

- Cookies are limited to storing up to 5KB of data, 20 cookies are allowed per domain.

- It is also used for personalizing a user's browsing experience, storing user preferences, keep tracking of user choice(a shopping cart)
- To delete cookies, you need to set it to expire at time in the past.
e.g. `document.cookie = 'name=Batman; expires=Thu, 01 Jan 1970 00:00:01'`
-if a cookie is a session cookie, it will expire when the tab or window is closed.

Library: [Cookies.js](#)

4. Timing Functions

`setTimeout()`: for scheduling the execution of a function

e.g. `window.setTimeout(() => alert("Time's Up!"), 3000);`

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`setInterval()`: it is a similar way to `setTimeout()`, except that it will repeatedly invoke the callback function.

5. Animation

- To start the animation, we need to call the `requestAnimationFrame()` method, giving the `rotate()` function as an argument.
- To stop the animation, using the `window.cancelAnimationFrame()` method:
`cancelAnimationFrame(id);`
- CSS is also used for animation