Session 14

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Lighthouse

Lighthouse is a tab in chrome dev tools that helps you to test the performance, accessibility, and SEO of your website, then it gives you a score based on these tests.

Video & Audio Tags

Video

```
1  <video src="video.mp4" controls></video>
```

Any video is a replaced element just like an image, so you can set its width and height.

Video tag has some attributes:

- `controls` attribute: adds a play/pause button, volume control, and a progress bar.
- `autoplay` attribute: plays the video automatically, but some browsers block it.
- `muted` attribute: mutes the video.
- `loop` attribute: plays the video in a loop.

Audio

```
1  <audio src="audio.mp3" controls></audio>
```

Audio tag has the same attributes as the video tag.

JavaScript

JS story in video and where did its name come from.

where to write JS code

- Inline

- Internal

- External

- `window.alert`

- `console.log`

- `document.getElementById`

- `document.getElementById("demo").innerHTML = "Hello JavaScript";`

- `console.log(document.getElementById("demo"));`

- `console.log(document.getElementById("demo").innerHTML);` prints the tag

- Comments one line and multi-line

- variable declaration assignment:

    - in the same line or in different lines

    - since its a variable u can reassign it

    - the name can't start with a number or a special character except for `$` and `_`

    - variable name can't be a reserved word like `var`, `while`, `function`, etc

- Use camelCase for naming

- don't redeclare a variable with the same name

- Data types:

    - Primitive
        1. Number

        2. String

        3. Boolean

        4. Null

        5. Undefined

    - Non-primitive

- To know the data type of a variable use `typeof`

- JS is a loosely typed language which means you can change the data type of a variable.

- strings are written inside `"string"` or `'string'` or `` `String` `` (backticks)