7
15
13
22
21
20

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DOM (Document Object Model)

The DOM represents a document with a logical tree.

It allows us to manipulate/change webpage content (HTML elements).

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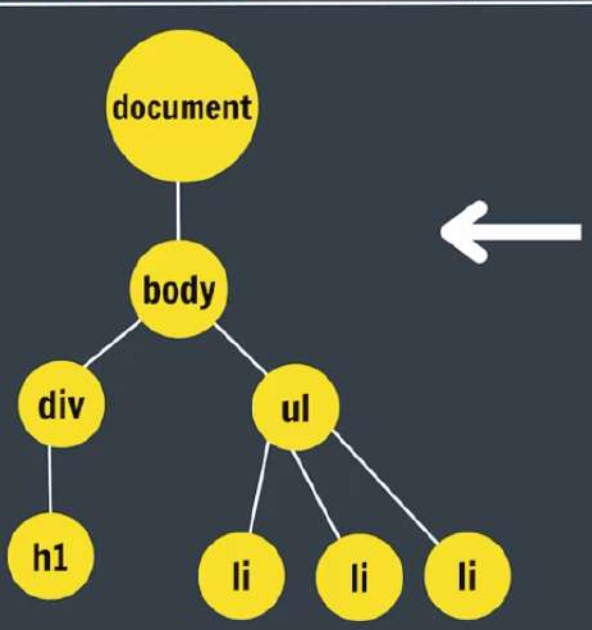
DOM (Document Object Model)

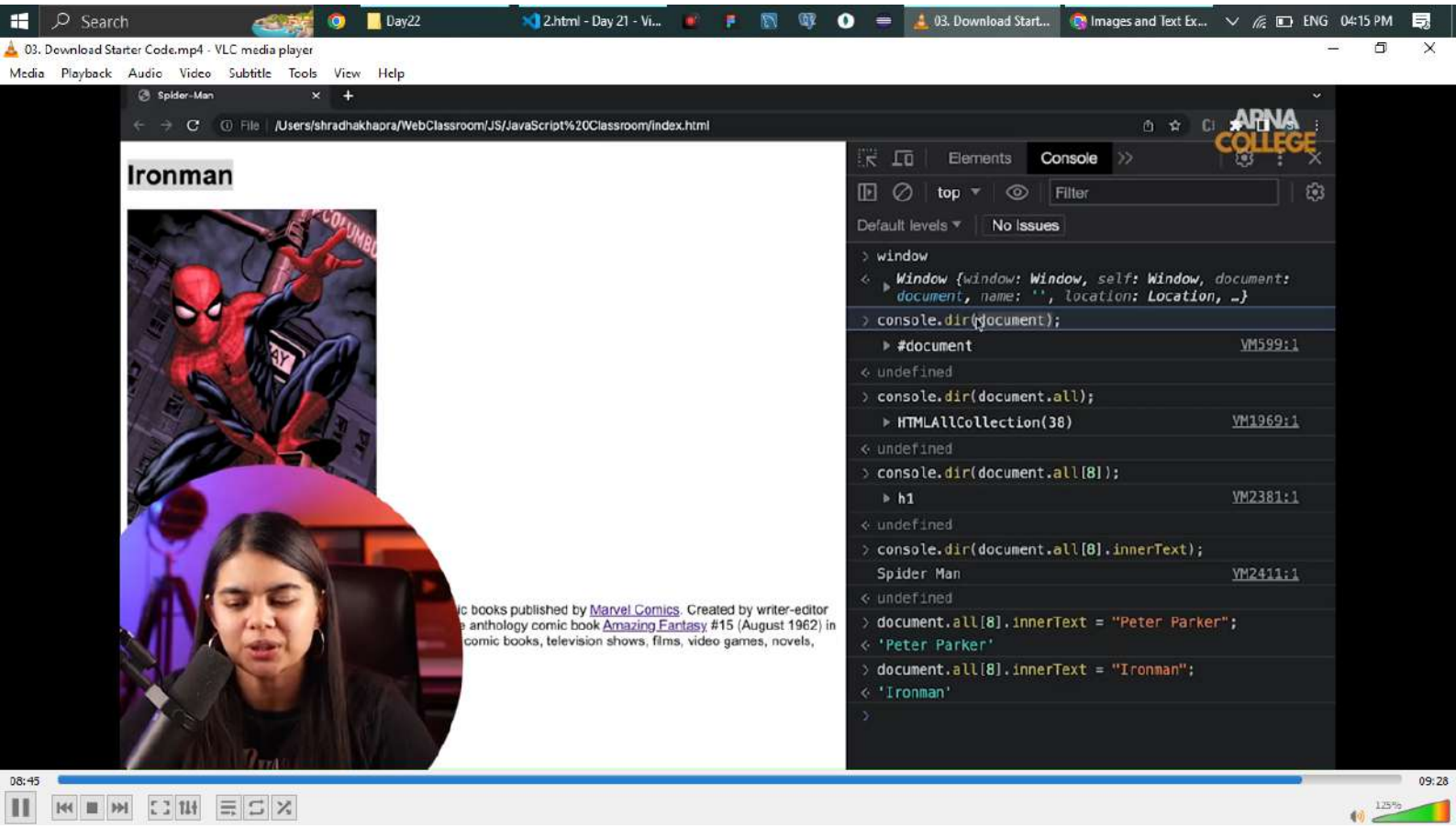


(HTML + CSS)

```
<body>
    <div>
        <h1>Todo</h1>
    </div>
    <ul>
        <li>Eat</li>
        <li>Code</li>
        <li>Sleep</li>
    </ul>
</body>
```

02. What is DOM.mp4

JS


Search
Day22
2.html - Day 21 - Vi...
03. Download Start...
Images and Text Ex...
ENG 04:15 PM
03. Download Starter Code.mp4 - VLC media player
Media Playback Audio Video Subtitle Tools View Help
Spider-Man
File /Users/shradhakhapra/WebClassroom/JS/JavaScript%20Classroom/index.html
ARNA COLLEGE
Ironman
uc books published by Marvel Comics. Created by writer-editor
e anthology comic book Amazing Fantasy #15 (August 1962) in
comic books, television shows, films, video games, novels,
Elements Console
top Filter
Default levels No issues
> window
Window {window: Window, self: Window, document: document, name: '', location: Location, …}
> console.dir(document);
#document VM599:1
undefined
> console.dir(document.all);
HTMLAllCollection(38) VM1969:1
undefined
> console.dir(document.all[8]);
h1 VM2381:1
undefined
> console.dir(document.all[8].innerText);
Spider Man VM2411:1
undefined
> document.all[8].innerText = "Peter Parker";
'Peter Parker'
> document.all[8].innerText = "Ironman";
'Ironman'
08:45
09:28
125%

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Selecting Elements

getElementById

Returns the Element as an object or null (if not found)

05. Selecting Element by ID .mp4

JS

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Selecting Elements

getElementByClassName

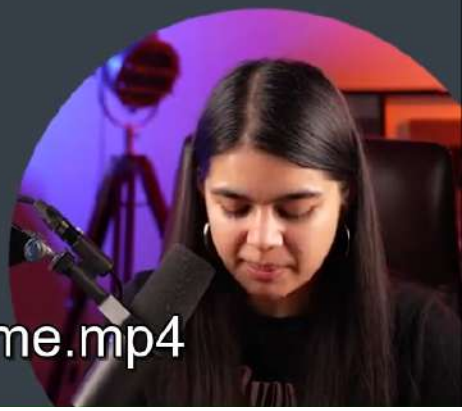
Returns the Elements as an HTML Collection or empty collection (if not found)

APNA COLLEGE

Selecting Elements

getElementByTagName

Returns the Elements as an HTML Collection or empty collection (if not found)



07. Selecting Elements by Tag Name.mp4

JS

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Query Selectors

Allows us to use any CSS selector

```
document.querySelector('p'); //Selects first p element

document.querySelector('#myId'); //Selects first element with id = myId

document.querySelector('.myClass'); //Selects first element with class = myClass
```

```
document.querySelectorAll("p"); //Selects all p elements
```

08. Query Selectors.mp4

JS

Manipulating Attributes

obj.getAttribute(attr)

obj.setAttribute(attr, val)

getters & setters

id, class

style

img → src

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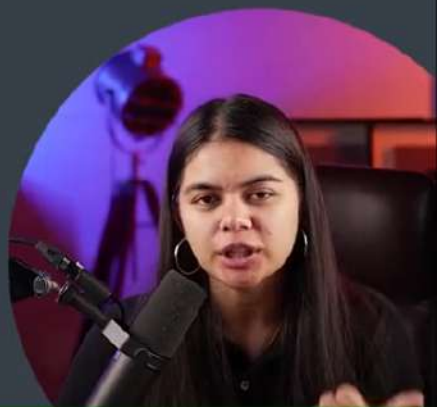

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Manipulating Style

using classList

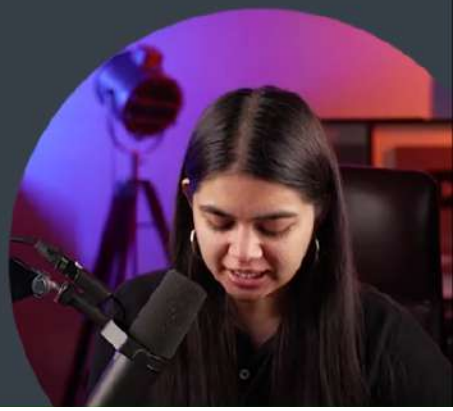
obj.classList

classList.add( ) to add new classes

classList.remove( ) to remove classes

classList.contains( ) to check if class exists

classList.toggle( ) to toggle between add & remove



12. classList Property.mp4

JS

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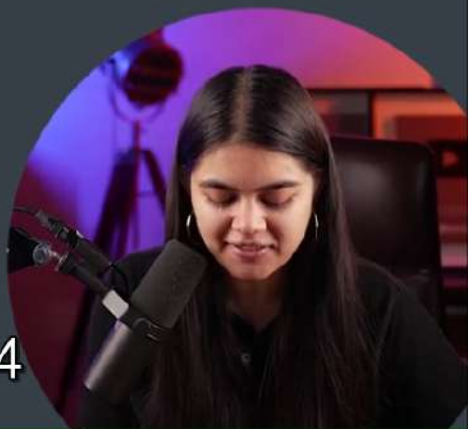
Navigation

parentElement

children

previousElementSibling / nextElementSibling



13. Navigation on Page.mp4

JS

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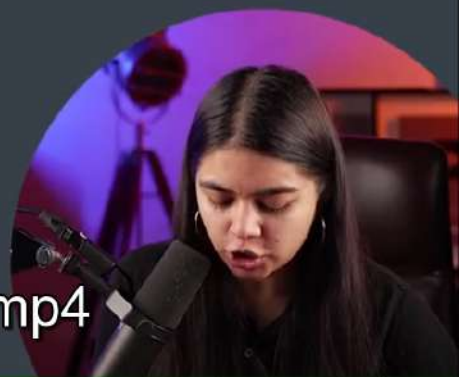
Adding Elements

document.createElement('p')

- appendChild(element)
- append(element)
- prepend(element)
- insertAdjacent(where, element)



14. Adding Elements on Page.mp4

JS

Do you want to restart the playback where left off? Continue X

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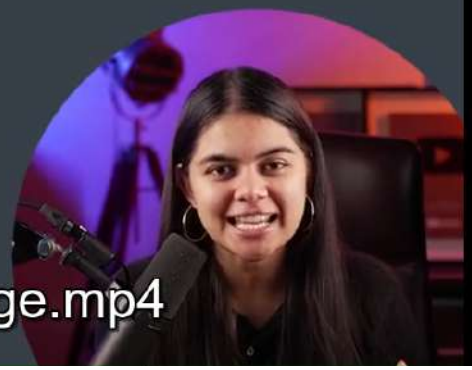
Removing Elements

- removeChild(element)
- remove(element)



15. Removing Elements from Page.mp4

JS

JS (Part 9)

Practice Questions

Qsl. Create a new input and button element on the page using JavaScript only. Set the

text of button to "Click me'.

Qs2. Add following attributes to the element :

- Change placeholder value of input to "username"
- Change the id of button to "btn'

Qs3. Access the btn using the querySelector and button id. Change the button background color to blue and text color to white.

Qs4. Create an hl element on the page and set its text to "DOM Practice" underlined. Change its color to purple.

Qs5. Create a p tag on the page and set its text to "Apna College Delta Practice", where Delta is bold.