Section 11 → DOM

[Document Object Model]

1. Now lets add JS to our website..

→ Like CSS , JavaSc [is also] three types → inline, internal
(can also be added by) & external.

[Inline]

2. Onload → when body gets loaded up , JS inside executed.

- If compiler confused b/n " " " " then use " ' ' " (or) ' , " "

3. Internal → Added by using script tag i.e.

```
<script type = "text/javascript">
        Code...
</script>
```

4. External

- Create index.js like style.css

- Add like you add css. i.e.

{ css → <link rel = "stylesheet" href = "style.css">

JS → <script src = "index.js" charset = "utf-8">
</script>

→ Placement of these matter a lot.

∴ CSS in head

JS in Just above </body>

(5) DOM → Document Object Model

→ Generally represent using tree. structure.

→ Treats an HTML document like a tree. for selection & manipulation of website. objects.

- An object has → Properties → Describe it
  → Methods → What it does.
    ↳ X(), brake().

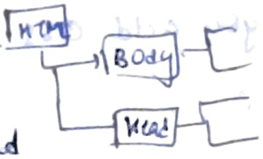
- dot notation used for manipulating properties.

  car. colour ; [A Getter]

  car. numberofDoors = 1; [A setter]

- car. drive();
  car. brake(); } for methods.

Example Using DOM → var heading = document. firstElementChild. last ElementChild;



∴ heading → head now..

v. imp.

[" Always " String]

Eg 2 → document. querySelector ("h1"). innerHTML = "Goodb

Searches h1 in document

→ changes it's contents to goodbye.

Eg 3 → document. getElementsByTagName ("li") [2]. style. color = "red"

like querySelector (tag list) but gives back array

choosing element in array like arr[2]

manipul

Eg 4 → document . getElements ByClassName (" ") [x]. style.

↓ Name ↓ elem in array ↓ manipula

→ document . getElement By Id (" "). style.

↳ No array needed.

Eg 5.

→ docum. querySelector (" "). . . .

↓ Can take anything in css

#title, .navbar, body

document . querySelectorAll (" ") [ ]. style . . .

↳ to turn into an array.

★ Generally querySelector an querySelectorAll only used.

⑥ W3schools . com → HTML DOM.

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⑦ Seperation of Concerns.

→ HTML used for content JS used for behaviour.
CSS used for styling (Should not interrene with others).

→ For this we use three things in JS

1) document . querySelector ("ClassName"). classList . add (" ");
↓ Name

2) Similarly instead of add, use remore

3) & toggle [If true turns to false & vice versa)

★ i.e predefined CSS made by you (Name) can be added (or) removed from our website using JS add & remove.