

15. DOM

Agenda :

- 1) DOM → Document Object Model
- 2) Importance of DOM
- 3) Interact/With DOM
Manipulate
- 4) Events handling problems.

✱

Introduction to DOM

Document Object Model

↓

↘

Web Document

Memory representⁿ
of web document

as object in
the browser

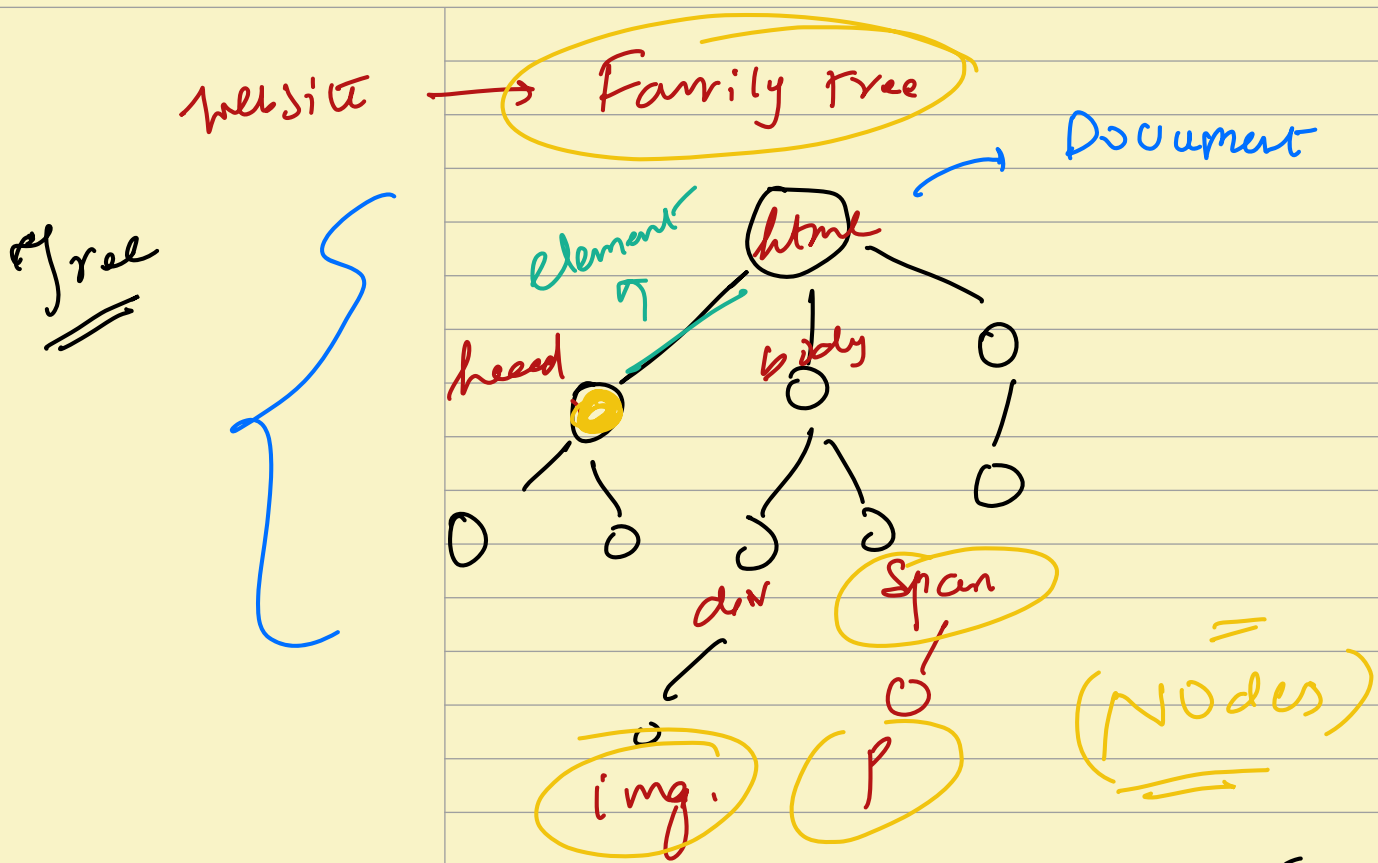
- DOM → Programming
Interface for
web document.

- Represents a page

↳ program can change the

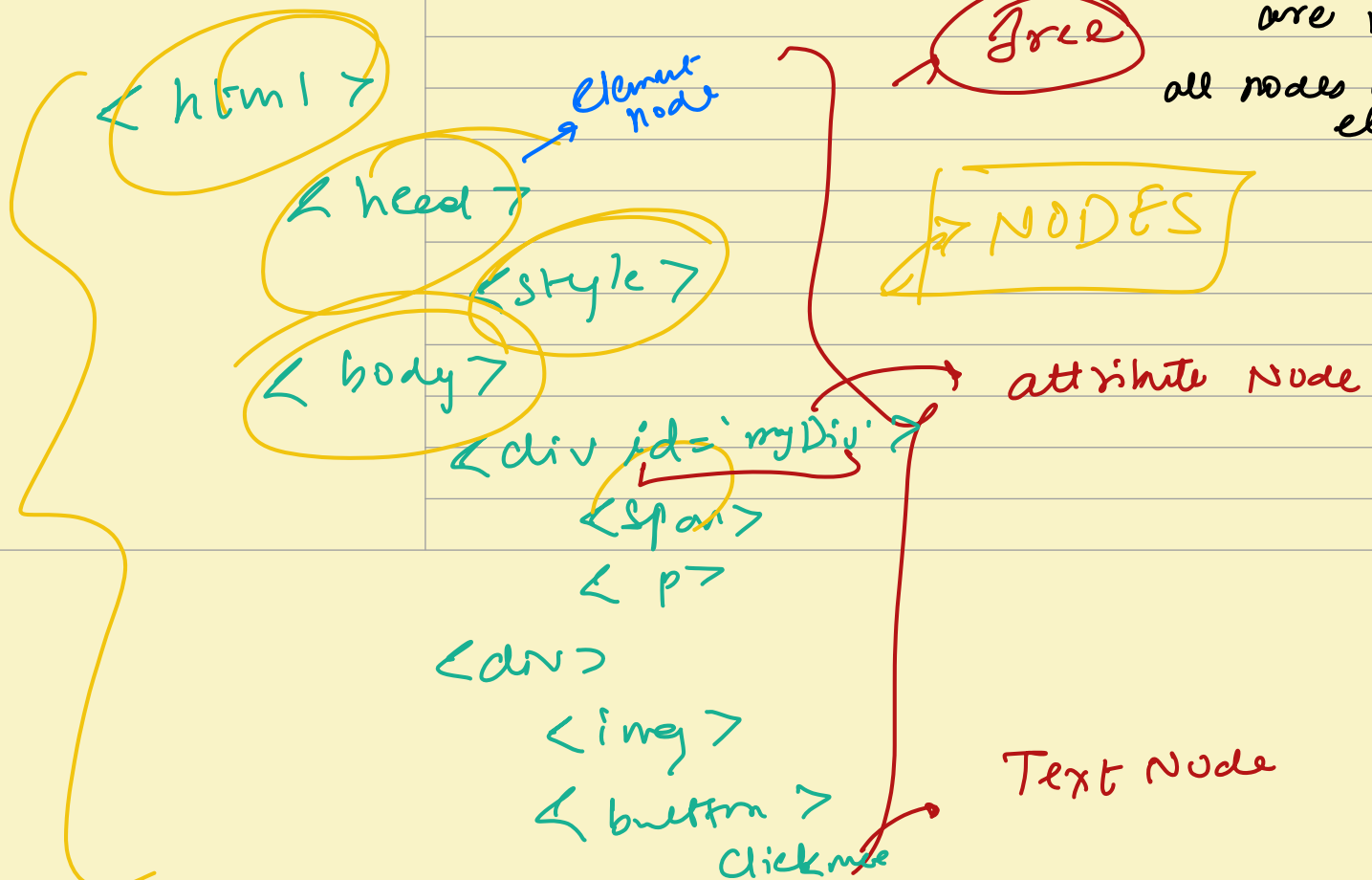
- o structure
- o style

Content
of the page.



(Nodes)

(All elements
are nodes,
all nodes are NOT
elements)



Importance of DOM:

- Structure of a page
- Access / Manipulation of the page / Content / Structure.
- JS puts interactivity in DOM elements

#

Manipulate

↳ ADD / REMOVE / MODIFY the DOM / page

↳ Change styles

- Elements,
- Respond to Events

document.querySelector()



- returns a NodeList [looks like an array]

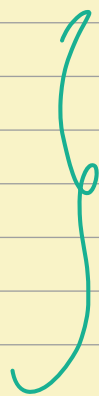
- Looks like an array, but actually it is not



• map, filter, etc.

are NOT present in it.

- querySelector
- getElementById
- ;
- {



- Returns first match.

- returns first element that matches the selector

• ClassList

- Returns the collection of class attributes of the element
- Methods
 - ↳ Add
 - Remove
 - Check
- Dynamically change behaviour.

Revisim

- ⇓
- o Select Elements
 - ↳ getElementsByClassName
 - ↳ getElementById
 - ↳ querySelector
 - ↳ querySelectorAll
 - Event Listeners
 - o Appending / inserting elements
 - o NodeList, ClassList
 - Event object
 - getAttribute, setAttribute