

14/3/22

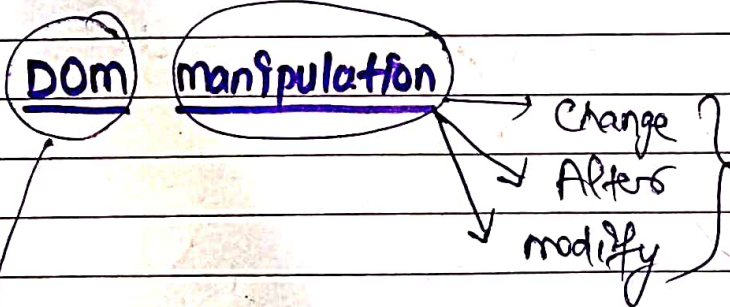
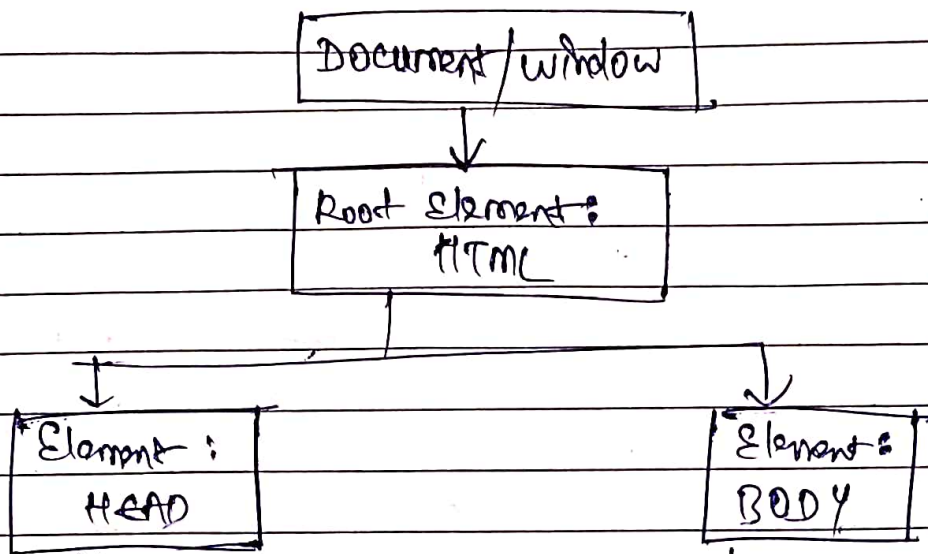
(Document object model).

Date

DOM

Dynamic Behaviours

- DOM is like a tree.
- Browser is a window object.



(Devices which helps to manipulate → MOUSE
KEYBOARD)
but computer doesn't know these,

so DOM provides an object called as DOM,
which has functions which tells, which key is
pressed in keyboard.

Event Listeners

(those who wait for an even to occurs.)

eg.
 mouse - click,
 keyboard - button
 cursor - move

Event Listener's takes on callback function (cb).

<button>.

Q1. HTML

→ on clicking the button, append hello to the Page.

Query Selector

document.querySelector("");

(id/class/button etc.)

Ans

let btn = document.querySelector('button');

btn. addEventListener

add Event Listener

addEventListener('Action', function(e) {

})

(click/mousedown/mouseout etc.)

event

`<div>``| (<text> — </text>)``</div>`

```
let divElem = document.createElement('div');
```

```
divElem.innerHTML = "Hello"
```

appendChild

↳ (adding something).

document

appendChild(divElem)

body

↳ we add inside body.

```
let body = document.querySelector("body");
```

```
body.appendChild(divElem);
```

FULL CODE

```
let btn = document.querySelector("button");
```

```
btn.addEventListener("click", function(e) {
```

```
let divElem = document.createElement("div");
```

```
divElem.innerHTML = "Hello";
```

```
let body = document.querySelector("body");
```

```
body.appendChild(divElem);
```

```
});
```

querySelector - returns the first element within the document that matches the specified selector, or group of selectors, if no matches are found, null is returned.

addEventListener - is a method provided by DOM to handle any event such as mouse click and take action accordingly.

createElement - lets you create a new element in the DOM.

innerText - is a property by which you can access text inside an element.

appendChild - this method allows you to add new children inside your selected element.

HOW TO CHECK DOM ERROR

[Inspect > console > error (in red)]

Q.9

Date

Fix the list by inserting the missing element using querySelectorAll & insertBefore.

querySelectorAll (DOM method).

If query selector was taken, then it would have taken only first (1st) element i.e 1, but querySelectorAll selects all elements.

querySelectorAll ("li");

(It selects all elements "li").

It creates an "Array like structure" but not array.

which stores & gives indices called as "Node List"

0 1 2 n-1
[li, li, li, li]

→ Here, we can access elements like Array.

→ Loops can be applied.

[ARRAY REPRESENTATION OF DOM ELEMENT].

insertBefore

insertBefore (value
(to be inserted) , value
(to be inserted)
before)

Date,

let rightElem = allLeftItems[6];

```
lastSevenElem = document.createElement("li");
sevenElem.innerHTML = "7";
```

~~Good class - document good~~

list. Insert before (seven Elem, eight Elem);

Q1 Write a script which fetches the data-color attribute of the card on double clicking on them & attaches the fetched class to that card. Also changes the data-color attribute to "used".

getAttribute & setAttribute, classList

(we get value of
the Attribute)

(to set value of
the Attribute)

(let's class
changing something
in class)

```
let cards = document.querySelectorAll('.card');
```

for (let $i=0$; i < cords.length; $i++$) of

cards[1].addEventListener('dblclick', function(e) {

let classToBeAttached = e.currentTarget.getAttribute('data-color')

e. Current Target: setAttribute ('data-color', 'used');

2. current Target. class List.add (class To be Attained);

Spiral 7)