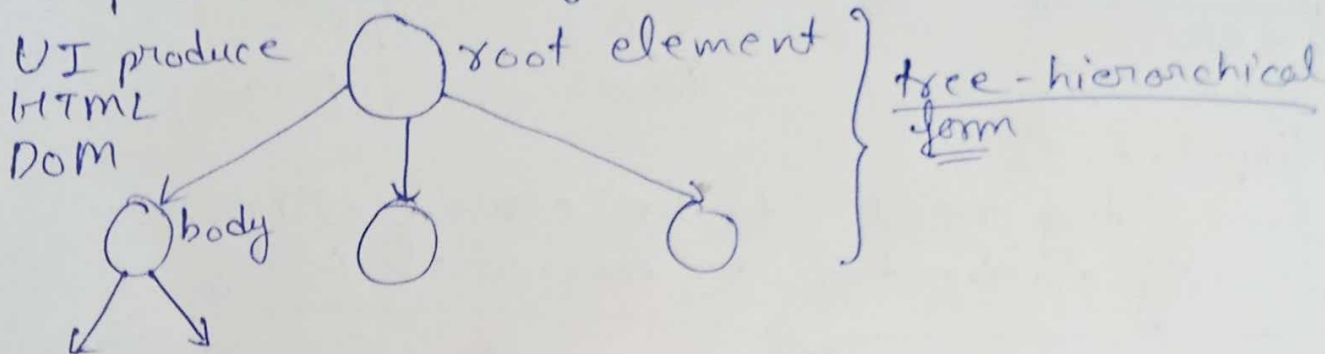* <u>Agenda</u>:-
1) what is DOM
2) Why HTML   } <u>HTML</u>
3) Boilerplate, tags

* <u>DOM – Document Object Model ?</u>

Amazon.in
inspect > elements body > elements

UI produce
HTML
DOM

root element } <u>tree - hierarchical</u>
body   <u>form</u>

Javascript manipulate already created DOM.
B tree is used in HTML - <u>Research</u>

<u>Terminal</u>
<u>ls</u> ↲
<u>mkdir</u> DecodeHTML ↲ } it creates a new folder } Learn how to use terminal
cd DecodeHTML ↲
<u>touch</u> index.html ↲ } -> To make a new file.
[Open index.html in VS code] <u>Download</u> [Notepad ++]

<! DOCTYPE html> *<u>Basic Structure of HTML</u>*
  < html>
        <head>
            <title> . . . . </title>
            [meta infon, favicon.]
        </head>
~~<body>~~ <body>
            <! -- My comment --> } [Ctrl + /]
                        ↳ Comments can also be
                          used to prevent code
                          from being executed

        </body>
  </html>

create index.css

Note <link> tag is used to link external css to the html file. <link> tag is specified in <head> tag.

* Difference between HTML Tag and HTML Element?

interview

HTML Tag :- <html>, <form> { How to sequence /save ?
                <p>, <button>   file in proper order on
                                 github.com

↳ text between two angular brackets --> HTML Tag

<u>self-closing Tag</u>   V/s   <u>Manual-closing Tag</u>
Ⓐ
                              <p> ... </p>
Ⓑ <link ... />   <head> ... </head>
   <input ... />

Note: Every tag need to be closed either it is self closing tag or manual closing tag
}

Becomes very useful when using <u>React</u>

<u>HTML Elements</u> :-

  <p> Hello World </p>
  └─┘   └──┘
  tag   tag

        Element

  <p> lorem ipsum </p>

        element

  <title> PW Skills </title>

        element

* HTML Important tag :-

1) <html>
2) <body>
3) <p>
4) <button>
5) <input>
6) <form>
7) <h1> .... <h6>
8) <a>
9) <div>
10) <span>
11) , <li>,
12) <table>, <tbody>, <thead>, <td>, <tr>, <th>
13) Semantic tags :- <header>, <footer>, <nav>, <aside>, <section> <main>
14) <kbd>
15) <textarea>
16) <details>, <summary>
17) <select>, <option>
18) <iframe>
19) media tag :- <video>, <audio>
20) <img>
21) <svg>, <canvas>
22) <script>
23) <link>, <meta>

<head> tag :-
. used for meta information, favicon and title of webpage
.

<iframe> tag :-
. used to embed another website/ to your main webpage.
          webpage

Note :- Attributes are written with the tags. within angular brackets.

? How meta tag is used with semantic tags?

HW - show the use of all 23+ tags in a webpage

⊗ DOM

Document Object Model

(root) - top element

body

↳ It varies from one website to another.

⊗ CSSOM

Cascading Style-sheet Object Model

⊗ BOM

Browser Object Model

(Window) - top element

Document