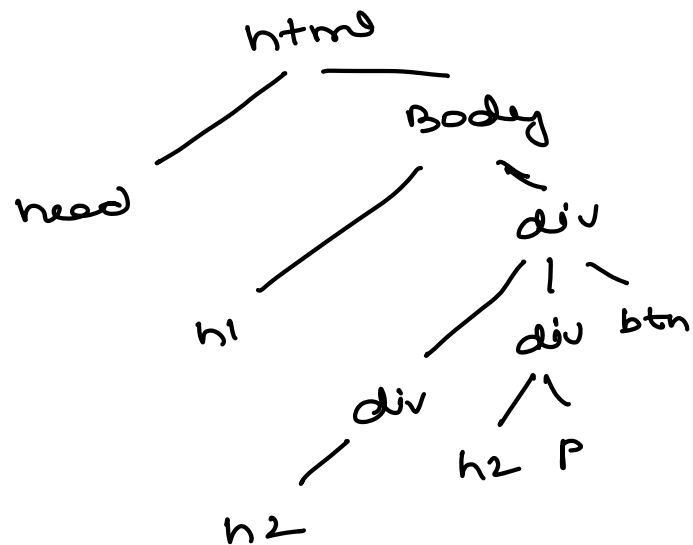→ Selecting Elements
→ Event listeners
→ appending and inserting elements
→ Event Object
→ get Attribute and set Attribute

Intro to DOM

DOM - Document Object Model

It is a programming interface for web document. It represent the document as a tree structure.

```
2   <html lang="en">
3     <head>
4       <meta charset="UTF-8" />
5       <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6       <title>Document</title>
7     </head>
8     <body>
9       <h1>This is Heading 1</h1>
10      <div id="container">
11        <div>
12          <h2>This is Heading 2</h2>
13        </div>
14        <div>
15          <h2>This is Heading 2</h2>
16          <p>This is Paragraph Tag</p>
17        </div>
18        <button>Click Me!</button>
19      </div>
20
21      <script></script>
22    </body>
23  </html>
24
```


Document → The root node that represents the entire HTML document

Element → Represent each Tag in the HTML document. These are the nodes which have children.

Attributes → Properties of element: Eg:- color.

Text → The actual text within elements.

Manipulate DOM with JS

→ Add, remove, or modify elements

→ Change styles

→ Respond to events

___

Methods that Document has exposed for us to leverage:-

1) get Element by Id :- specify Id

2) get Element by Classname

3) query Selector

4) query Selector All