

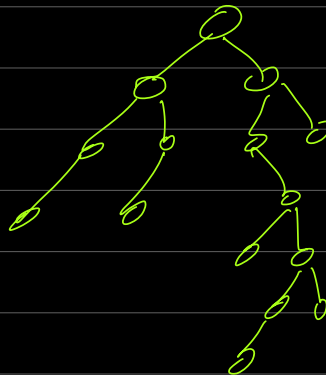
Agenda

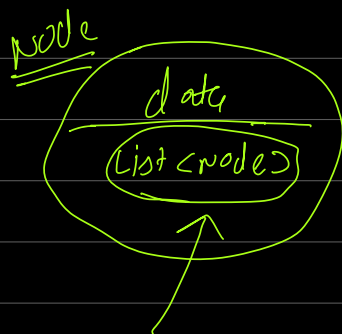
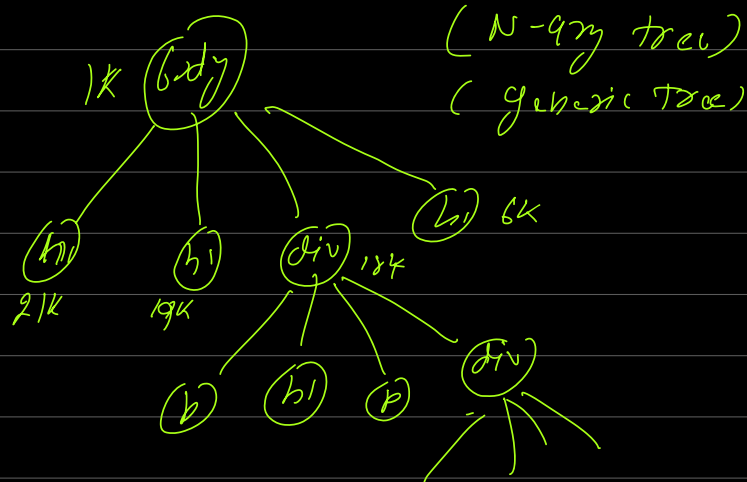
- ① overview of the browser
- ② DOM
- ③ basic CRUD in Document
- ④ Node and its properties
- ⑤ NodeList (Data-Structure Knowledge) and HTML document
- ⑥ Adding Event listeners.

Tree

Binary tree

node $\in \{0, 1\}$

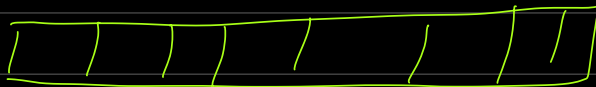




$T: O(?)$

$List<Nodes> = \text{option 1 (X)}$


Array / Node $List<Nodes> = \text{option 2}$



size is limited.

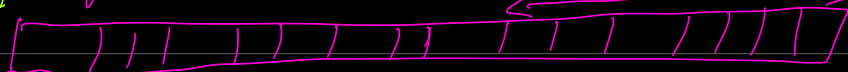
node list \rightarrow dynamic Array.

$List<Node>$

X:  $len = 15$

\hookrightarrow copy \downarrow $T: O(x)$


2x



\hookrightarrow copy \checkmark 15 $T: O(2x)$

$len = 30$



4x:  $2^{24} = 4 \times 15$

\hookrightarrow
 \hookrightarrow
 \hookrightarrow

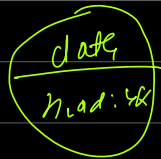
10^9 (max length)

$4x \leq 10^9$

$T: O(2) \approx O(1)$

\rightarrow linked list or I say node list

(c)

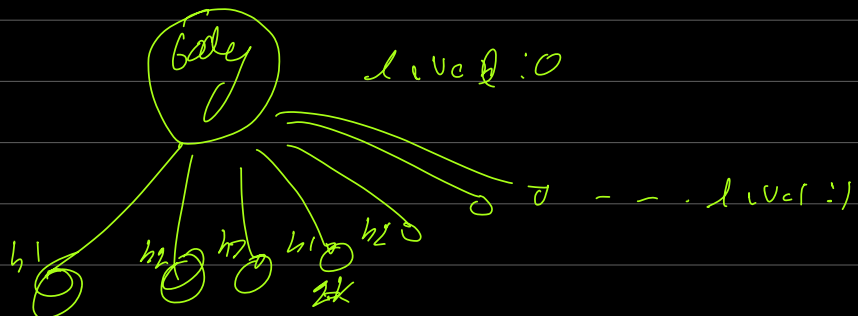


4k



How many node you can create in a system:

answer: as much as possible which system allowed.



1K

1K	2K
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level: 10^6 (nodes)

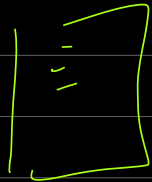
hl element is 2

$O(2)$ $O(10^6)$

document : entire HTML

document: query all H

(div.) query all H1



→ (duplicate it with some modifications)