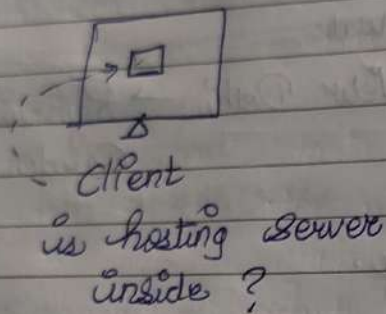
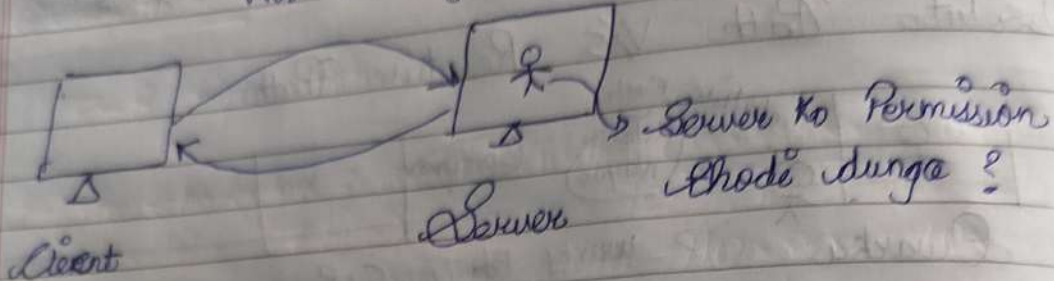


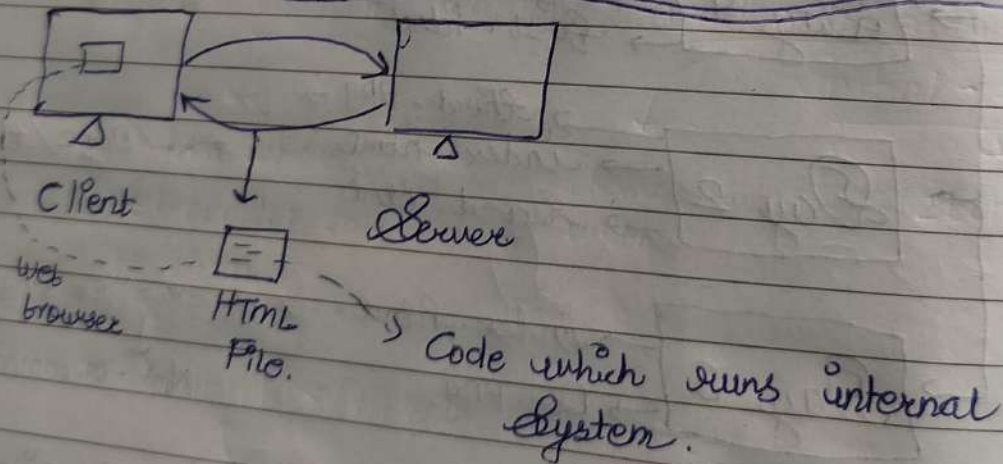
-

Not working



3-10-24

Lecture - 4 - HTML Boilerplate & Pixels



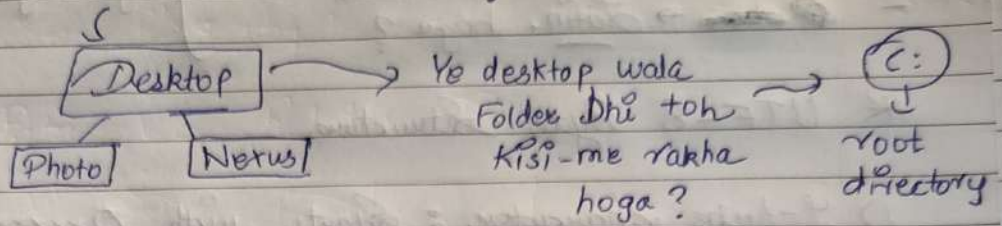
→ I can't let Servers read my data.

- If Servers have access to my root directory then it can take anything.

As

Computer : Video, Music.

How this are stored?



- ls → List of file / dir for windows
- cd → Files in Particular folder.

* HTML Boilerplate.

<!DOCTYPE html> → html Ka version 5 hai.

<html lang = "en"> → html code starts, language is English (Done from SEO)

<head> → Metadata (data about data)
→ Provides information about whatever you write about in body tag.

- <meta charset = "UTF-8">

In this document, whenever you write in english or other language, it will be converted to binary. This conversion is through UTF-8. It is a encoding method. Memory allocation happens through 1, 2, 3, 4 bytes.


ASCII / English - 1 byte

Latin Language - 2 byte

Hindi / Chinese / Asian - 3 byte

Emoji - 4 byte.

* UTF-8 Byte Structure

- `<title> Document </title>`
- document of web-page.
- Img \Rightarrow 

→ 10000 Pixels

- Total Pixels = 10,000 Pixels.
- It will store, what colour of pixels are.
- RGB se bhi \rightarrow Koi bhi colour bana sakta hu.

↓

R: 0-255	- 8 bit	} 24-bit \rightarrow 3-byte
G: 0-255	- 8 bit	
B: 0-255	- 8 bit	

- So total size $\rightarrow 10K \times 3 = 30000 \text{ byte} = \underline{30KB}$
- For more clarity, R, G, B are stored in 48-bit (4-byte)