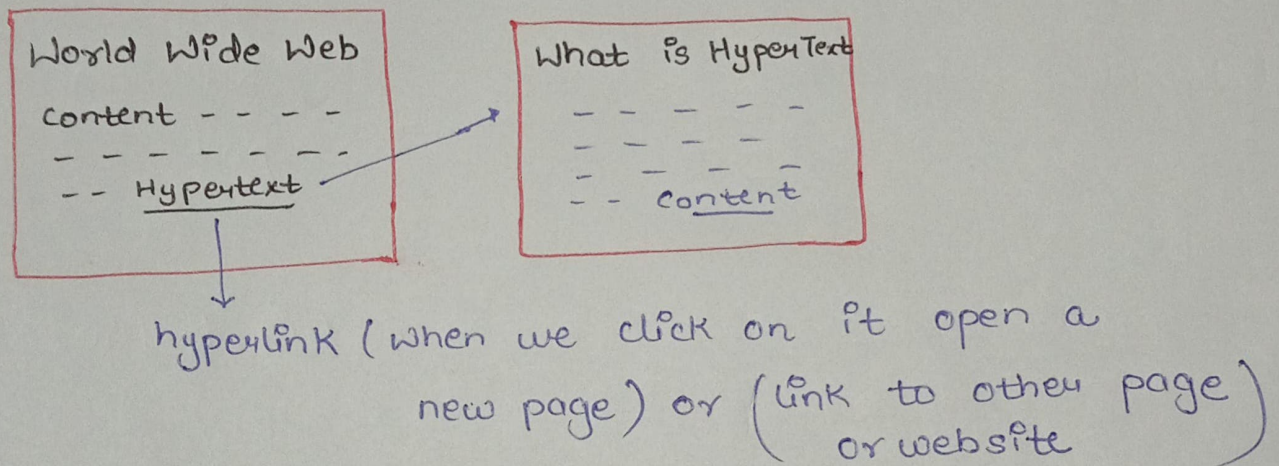# Day - 02 Lecture - 2

Introduction To HTML

HTML — Hyper Text Markup language

Hyperlink   Provide semantic
                   meaning

World first website: World Wide Web

hyperlink (when we click on it open a
           new page) or (link to other page
                          or website)

Note: There is no search functionality in first
website. For finding anything you have
to do manual search by clicking on
links (Navigate to other pages)

html file save as — index . html
                             extension

vs Code.

- Here if you write something on vscode with space or in next line but that space is not visible on browser and it doesn't look good.

- So for that we use tags.

Provide the semantic Meaning or structure to a website

- Heading Tag - Used to define titles or subtitles

<h1> - - - - - - - </h1> --- Most imp
<h2>   </h2>
<h3>   </h3>
<h4>   </h4>
<h5>   </h5>
<h6>   </h6> ---- least imp

These are used for subheading or nested heading

Recommended :

- Use only one <h1> tag on one page.
- It is use in SEO (Search Engine optimization)
- Use heading tag in series wise <h1>, <h2>, <h3> . . . .

(h1)
DSA Course Syllabus

Due to h1 tag our website will rank on google. Importance is given to <h1> tag

- Array
- Linked List
- Trees
  - Binary Tree
  - Binary Search Tree

- Paragraph Tag (`<p>`) : Used to define the block of text as a paragraph.

`<p> This is car. </p>`

(lorem 50) → Used as a paragraph to write some random content

Can be change to 60, 70, 100...

`<p> Content </p>` → Element (building block of a webpage)

opening tag → closing tag

- Horizontal Rule - Create a horizontal line on a webpage

`<hr>`

Self closing tag
(they don't have Content)

`<hr />`

good pratice

- Line break -   In paragraph all over text display

`<br />`   in a single line so we can

use `<br>` tag to move the content to next line

`<p> Hii <br> Bye </p>`

Hii
Bye

- **Lists :** List are used to display items in a structured list.

Ordered list

```
<OL>
    <li> Milk </li>
    <li> Maggie </li>
    <li> Honey </li>
</ol>
```

1. Milk
2. Maggie
3. Honey
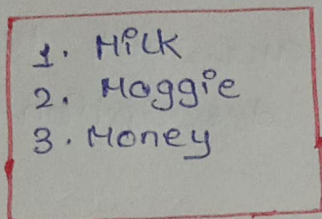
show items in a numbered order

unordered list

```
<UL>
    <li> Red <li>
    <li> Green <li>
    <li> Blue <li>
</UL>
```

- Red
- Green
- Blue
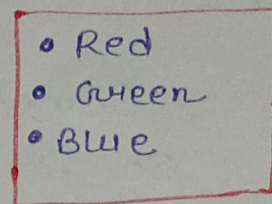
show item with bullet points

- **Anchor tag :** Used to create hyperlinks, which let you click and move to another page.

`<a>`

`<a href = " https://www.google.com"> Google </a>`
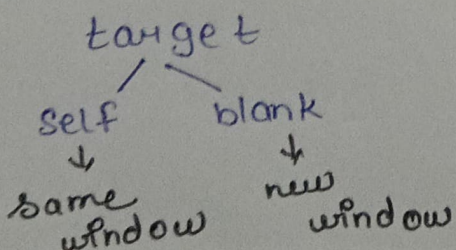
↓ create hyperlink

↓ Attribute (extra info. that you add to an element to change its behaviour or apperance)

`<a href = " https://www.google.com" target = "_blank"> Visit Google </a>`

target
/ \
self   blank
↓   ↓
same   new
window window

By default website will be open in current window. To open in new tab we use target

- **Image tag** – Used to display an image on a webpage

```
<img src="    "    height = " 100px"    width = "200px">
```
↓
Copy the image
address from google

```
<img    src = "  "    alt = " Image Description">
```

Sometime image are not loaded so it provide the description about that image.

— Useful for screen reader