

HTML — Hyper Text Markup Language CODE WITH HARRY

✓ HTML is the language of web. It is used to create websites.
It defines page layout

HTML = can body (only Metal) → structure/Layout

CSS = can paint, decoration etc. → style

JavaScript = can engine + interior logic. → logic

→ VSCode = always run with server;
Right click on the file and click 'open with live server'.

① [Select a line] → [alt] → [upper Arrow key] → you can move any line.

[Settings] → [Mouse wheel] → [check] → [ctrl] → we can do zoom in & zoom out

✓ why index.html → set starting point. Server को यह मिलता है
आजाए वर्ताना website जा कर उसके index.html
पैge तो क्या करेंगे?
अभी आजाए website को उसके तो index.html page देकर
जानने लगते हैं।

✓ VS Code → shift + [!] → Emmet Abbreviation → plugin का
web developer का html & CSS ट्रिक्स का सहायता

<!DOCTYPE html> → specifies this is an HTML5 doc

<html> → root of an HTML page

<head> → contains page metadata → information about some
already existing data.

<meta charset='UTF-8'> → coding का अलग UTF8

<meta http-equiv='X-UA-Compatible' content='IE=edge'>
↳ Microsoft का ग्राहक browser का compatibility
जो उपयोग करता है।

<meta name='viewport':> → page का scaling का जो उपयोग करता है।

<title> Document </title> → contains title

</head>

<body> → The main body of the page (rendered by the browser)

</body>] → closing tags.

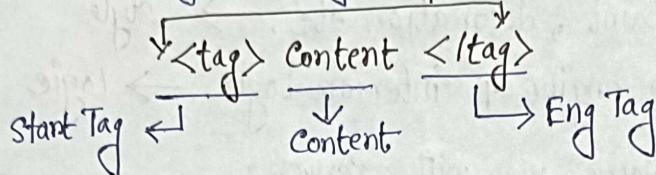
</html>] → closing tags.

YAHOO FROALA → online text Editor | ULTRA Edit → paid Software

✓ **Tag** → ये वर्षा अन्य अन्य Tag आले पाएं अवैतर Content भरते पाएं।
Basically it is a container of more tags or content.

↳ Body, Head, h1, P
The Component used to design the structure of websites [lorem 300]

✓ **Element** → Tag including Content → **HTML Element**



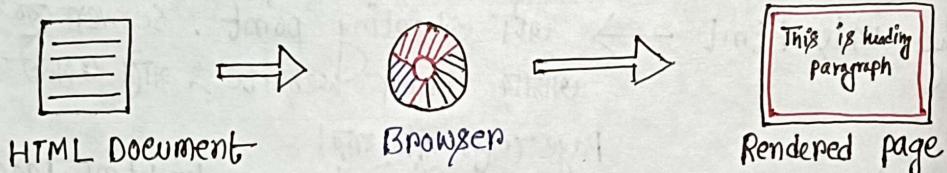
Lorem 300

→ Head and body tags are children of HTML Tag.

→ HTML is the parent of head & body tags.

- Most of the HTML elements have opening & closing tag with content in between opening and closing tags

→ Some HTML tags have no content. These are called Empty Elements.



→ We can use .html or .htm extension but .html Recommended.

→ Right click → inspect → View Page Source

→ Now Mobile first Approach

✓ **Comments** Comments in HTML are used to mark text which should not be *parsed. They can help document the source code.

<!-- HTML Comment --> → [ctrl] + [/]

✓ **Case Sensitivity** HTML is a case insensitive language. <H1> and <hi> tags are same.

✓ **HTML Attribute** is used to add more information corresponding to an HTML tag.

Example: Harvey

↓
an < a > tag ↓ href attribute

Right click → View Page Source or Inspect

Attribute → additional information provided in HTML

<tag attributeName='attribute value'> content </tag>

✓ **Heading Tag** h1 to h6 <h1> Most Important heading </h1>

alt → alt পুঁজি যেখানে যেমানে click করলে মেশান যেখানেই cursor পড়ে।

SEO ব্যবস্থা হলু এবং h1 Tag কিভাবে ব্যবহার করতে হবে।

✓ **Paragraph** <p> Lorem 50 </p>

Settings → Command palette → Toggle Word Wrap

✓ **Anchor Tag** used to add links to an existing content inside an HTML page.

 click me
বাইরের কোনো URL কে Link করিব কোরে করিব।

✓ **Absolute Link** একটি server দ্বারা অর্জু কোরে page কে Link করিব।
অধিক এখানে আবেদন কুরুৎ কুরুৎ Link করিব কোরে করিব।
https লেখ্য কোনো Global Website ব্যবহার করিব।

✓ **img Tag** <img src='image.jpg' alt='Human image' width='120px'
relative url of an image
alt → attribute ব্যবহার করুন যখন কোনো কাবুল image
কোরে Load হবে তখন alt মুছুন text কর নিশ্চান্ত।

✓ This is bold

✓ <i> This is italic </i>

✓ <u> This is Underline </u>

✓
 /
 → used to create line breaks in an HTML document.

✓ <big> This is big </big>

✓ <small> This is small </small>

✓ <hr/> /
 — horizontal line কোরে করুন কান্ধের মধ্যে।

ctrl + **Enter** → End tag ଏହି ସାହୁରେ ଆପଣ

→ **Pre Tag** HTML always ignores extra spaces and newlines.
In order to display a piece of text as it is, we use pre tag.

<pre>

This is written

Using pre

tag

</pre>

HTML Arrows

Google ରୁ search ରୁଗ୍ରୁ ଅତିକ୍ରମ arrow symbol
କେବଳେ ରୁଗ୍ରୁ ହୋଇ ଥାଏନ୍ତି

Google-এ search করলে কোডটি পেয়ে যাব।
পেয়ে যাব এবং তার মাঝে code দেওয়ে পেয়ে যাব।

UTF-8 Arrows

Creating a page layout

when we use the right tag in right place , it results in a better page layout.

better indexing by search engines and better user experience.

We use the following tag to get the job done.

`<header>` `</header>`

`<main>` `</main>`

`<footer>` `</footer>`

Website Layout

<Section> → page ৭৩ Particular part display ব্যাপে চিত্র।

<article> → କୋମାର ସମ୍ମାନ ଏତ article ଯଥିଲିଖିତ ପାଇଁ ଦେଇବାରେ ଯେତେ ପରିପାଳନ କରିବାକୁ

`<article>` → কান্টি এবং `<aside>` → side এ বা add করে কোন খবর বিবরণ দেওয়া আছে।

ପ୍ରକଳ୍ପ ଥାଇଁ follow ସାଥି ଓହିଲେ ମୋଟାର୍ ଏହି page କୁ SEO friendly କରିବାକୁ

Webflow.com → Give entire HTML, CSS & JS code

Link attribute

 My Website

- blank = opens the linked document in a new window on tab.
- self = opens in the same frame. This is default.
- parent = opens the linked document in the parent frame.
- top = opens the linked document in the full body of the window.
- framename = opens the linked document in the named iframe.

Image वृत्त या height वर width मध्ये मिळाले विटांग असावा प्रक्रिया define करावी वर तरीके aspect ratio द्वारा ताप्त आवाहन नाही।

Div Tag used as a container for other Elements.

<div> </div>

Block Element

पुढी width द्वारा [पुढी प्रत्येक element ची वाढवा माझी अंतर याची याची वाढवा होते] वाढवा element ची वाढवा अंतर याची याची वाढवा होते। <h1>, <div>, <p> always takes full width.

Inline Element

पुढी डूऱ्यांची वाढवा होते [प्रत्येक element ची (प्रत्येक line याची वाढवा होते) वाढवा होते] , <button> takes as much width as necessary.

List

List are used to display content which represents a list.

unordered list

Used to list unordened items |

 Home

 About

ordered list

Used to list ordered items |

 phone

 pc

 Laptop

<ul type='square'> type = circle, disc → प्रयोग उपरीत
प्रयोग CSS 'list-style-type' property नाही लिहावा शक्य |

VS CODE - div. containers → <div class='container'></div>
<ol type='1'> type=A, a, I, i

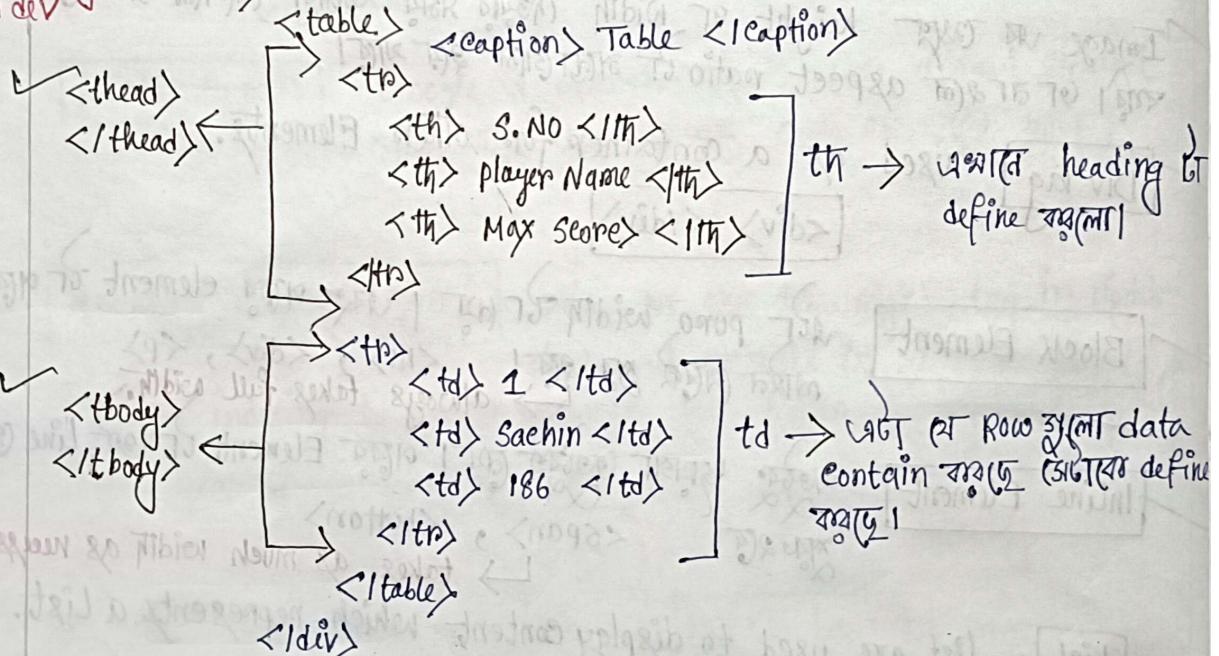
✓ **Table Tag** <table> tag is used to define tables in HTML. It is used to format & display tabular data.

✓ **tr Tag** used to display table row.

✓ **td Tag** used to display table data.

✓ **th Tag** used in place of table.data for displaying table headers.

We can define as many table rows as we want.
Table always in a div



✓ **<caption> Tag** Table এর শির্ষ কাপচন এড় অন্তর্ভুক্ত হবে। Tag টা সম্পর্ক রয়েছে। এটা একটা table Tag এর শির্ষ সম্পর্ক রয়েছে।

✓ **thead Tag** Used to wrap table head (caption & th with th).

✓ **tbody Tag** Used to wrap the table body.

✓ **colspan attribute** একটি একটি column এর value এর প্রতি heading থেকে define রয়েছে। এটা colspan এর মধ্যে রয়েছে।

<th colspan='3'> Max Score </th>

→ এটি column এর data এর heading থেকে define

53, Motibagh Nanakpura New Delhi 110021

HTML Forms An HTML form is used to collect input from the user.

```
<div>
<form action='form.php'>
</form>
</div>
```

Backend API Maintains data
with PHP, backend & database
format API responds data |

input element can be type text, checkbox, radio, button, email, date, submit. We also have a file type.

→ `<input type='text' placeholder='Enter your Name'>`

→ `<label for='a'>`

→ `<input type='radio', value='section a', name='section', id='a'>` section A
</label>

यह अन्तर radio button मार्ग परिवर्तनी थोकना करते हैं select
मूल रूप से अन्तर 'name' attribute value परिवर्तन है।

→ `<input type='checkbox' id='food' class='red' name='canteen'>`
<label for='food'> Want Food Canteen Card </label>

→ `<textarea name='explain' id='explain' cols='30' rows='10'
placeholder='Explain why you want to join'>`
</textarea>

→ `<select name='car' id='car'>`

`<option value='no-car'> Select your car </option>`

`<option value='omni'> omni </option>`

`<option value='i10'> i10 </option>`

`<option value='i20'> i20 </option>`

`</select>`

Embedding Videos

Video tag is used to play videos in HTML

`<video src='happy.mp4'> Error </video>`

Minify and compress JS, CSS, HTML — code को कैसे छोटा करें।

YouTube video → share → Embed → Copy Code → paste

HTML

<iframe src="https://www.bing.com" frameborder="0" width="892px">

</iframe>

→ अपने हमारे Website या video को किसी Website पर लगाने की portion
जो सुधारने की help करती है।

<video src="video.mp4" controls autoplay loop width="523px">

</video> controls attribute का control option जैसा enable करता।

autoplay website को निकू भेजता है इसका लाभ। विद्युतीय दृष्टि

avoids संवार उत्तीर्ण।

Loop video को बार बार Loop करता है।

SEO We will focus only on HTML standpoint of SEO. We will not be looking into keyword building and content optimization aspect of SEO.

Types of SEO 1) on page SEO → can be done by HTML developer
2) off page SEO

Link building

प्रोटो को किसी off page SEO. यह गूगल को Website को particular website को link करने के लिए google को particular website को किसी विद्युतीय दृष्टि।

→ set the title very nice and to the point.

→ set the meta description

<meta name="description" content="..."/>

→ set a nice URL slug → यह URL को यह user को आसानी की ओर आदि यह website को किसी भी तरीके।

→ set the meta keywords tag → <meta name="keywords" content="seo, keywords, search, engine, optimisation, etc." /> page के search के लिए यह जो भी यह अच्छी तरीके।

→ set the meta author tag → <meta name="author" content="Sandhya" />

→ set a favicon → favicon generator या अपनी Website को एक विशेष chrome tab, नामकरण करने की तरीके।

link:favicon

image → minify code
in img tag.
alt
use ↑↑

TOOGLE WORDWRAP

<marque> Running Text എം ചുര്യ് |

- * അത് Website പുറ Link നിന്നും Website പുറമ്പയും വുംലേ ആകും 'absolute Link' എണ്ണു।
- * നിന്നും Website പുറ Link പുറമ്പയും വുംലേ ആകും 'Relative Link' എണ്ണു।

Semantic Tag: ഒരു Tag എം കൊണ്ടു മാറ്റുന്ന അടിസ്ഥാനികളും Tag എം നാഡ് അഭ്യർത്ഥിക്കുന്ന അടിസ്ഥാനികളും അടിസ്ഥാനികളും ആകും Semantic Tag എണ്ണു। <main>, <section>, <footer>

→ <mark> — Marked Text with yellow background

→ — deleted Text

→ <ins> — inserted Text Like underline

→ — Emphasised text

→ — Important text

→ <blockquote> </blockquote> → എം ശ്രദ്ധിക്കുന്ന Space ടേറ്റോലോറും ചുര്യ്।

→ <q> </q> → Quotation എം ശ്രദ്ധിക്കുന്നു।

→ <p> The <abbr> title = 'World Health organization' > WHO </abbr>
are founded in 1948 & </p>

WHO ടേമ്പാറ്റേറും തേജസ്സിൽ ഫോറ്മാറ്റ് അഭ്യർത്ഥിക്കുന്നു।

→ <address> </address> → address ടേരേ അല്ലാഹ് style എം അഭ്യർത്ഥിക്കുന്നു।

→ <p> <cite> The Sun : </cite> Rises in the east </p>

↳ heading ടേരേ അല്ലാഹ് ഏറ്റവും Highlight ചുവന്നും ചുര്യ്।

→ <bdo dir = 'rtl'> ABC </bdo>

→ right to left
അല്ലാഹ് ടേമ്പാറ്റേരും ചുവന്നും ചുര്യും കുഞ്ഞും ഇല്ലോ!

→ <comment> → <!-- content -->

→ color → Tomato, Orange, Grey, SlateBlue, DodgerBlue,
Violet, mediumSeaGreen, LightGrey, rgb(1,2,3)
(0 - 255)

→ <head>

<style> → എം ആരു CSS ഫില്മുകു മാറ്റും।

</style>

</head>

Shift + **alt** + **↓** → copy

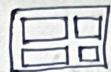
✓ → <link rel='stylesheet' href='style.css'>

✓ → Send Email

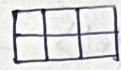
Table

table, th, td {

border: 1px solid black;



border-collapse: collapse;



}

→ th { text-align: left }

→ rowspan = 1 2'

→ tr: nth-child(even) {

background-color: #D6EEEE;

→ td: nth-child(even), th: nth-child(even) {

background-color: #D6EEEE;

→ tr: nth-child(even), td: nth-child(even) {

background-color: #D6EEEE;

→ tr { border-bottom: 2px solid black; }

→ tr: hover { background-color: #D6EEEE; }

→ <table>
<colgroup>

<col span='2' style='background-color: #D6EEEE'>

<col span='3' style='background-color: pink'>

</colgroup>

</table>

<form action = '/action-page.php' target = '_blank'> method = 'Get' / 'post'

✓ <dl> → Description List

<dt> coffee </dt>

coffee

<dd> - Black hot Drink </dd>

- Black hot Drink

<dt> Milk </dt>

Milk

<dd> - white cold drink </dd>

- white cold drink

</dl>

→ <figcaption> Fig.1 - Tralli, puglia, Italy </figcaption>

→ <svg> </svg> → Scalable Vector Graphics

→ <form action = '/action-page.php' target = '_blank'>
method = 'GET' / 'POST'

→ <p> <samp> </samp> → computers ৰূপ মাত্রা আছে যথোন্তৰ জন্য।

→ <kbd> ctrl + s </kbd>

→ <form> </form> → Related Data কোর্স Group বৰ্ত্ত। মাত্রা form।

<legend> Personalia : </legend> → Caption set কোর্স fieldset
এবং জন্য।

<input>

form এৰু প্ৰৱেশ Code টো লিখিবিবো।

</fieldset>

</form>

form Submit কৰত কৰিব এবত জন্য post method কৰিব কৰত কৰিব তা না হিলে

URL এ JA Details আছে থাই।

post method form data কোর্স body কোর্স append কৰিব।

আজুগ post method এৰু আসতোৱা Large amount এৰু data আসতোৱা আছি।

Get method এৰু Name Value pair এৰু URL এ আসতোৱা।

autocomplete = 'on' → user থিব আগে আগে form fillup কৰত আগে data
কুলা আটো নিষ্ঠা নৈবে।

enctype = method post এৰু আগে কুলা কুলা কুলা। আগে formdata
আগে submit হৈব অপৰ আজুগ আগে server এ submit কৰিব।

→ CSS Cascading Style Sheet

→ Firefox browser is Good for CSS.

→ HTML মুক্তির <head> এর মুক্তি <style> পরে গুরুত্ব মুক্তি CSS
নিয়ন্ত্রণ আছে।
<link rel='stylesheet' href='style.css'>

DOM → document object Model, when a page is loaded
the browser creates a dom of the page which is
constructed as a tree of objects.

→ div#first → <div id='first'> </div>
Second → <div id='Second'> </div>

Rule set selector {
property 1 : value 1 ;
property 2 : value 2 ;
}

Attribute → Additional information provided in HTML.

<tag attributeName = 'attribute Value'> Content </tag>

Element Selector It is used to select an element based on
the tag name. h1, p, div

Id Selector It is used to select an element with a given id.
#idname { color: blue; }

Class Selector It is used to select an element with a given class.
.red { color: red; }

→ #red, h3 {
color: red;
}
| h1, h2, h3, div {
color: blue;
}

→ p.red { color: red; } → all the paragraphs of class red will be
red.