

Hyper Text Markup Language

HTML in 5 topics :

Index.html is used to create a main file.

In Body of html if we want to write new paragraph we need to use **P** in that if we use **lorem 1 to n** any number it will generate 1 to n words.

for html children items are head & body

for comments of any line use control slash in vs code

e.g: <!-- My name is Chaitanya -->

html is a **case insensitive** language as <h1> or <H1>

In image tag src and alt will be there we add image link or image file in "src" where as image details in "alt".

```
<img src="" alt="" width="">
```

width used to adjust size

ctrl + alt c is used to store comments

br tag is used to enter in new lines

sub and **super** tags are used html as co2 and used in power

<hr> is used to insert horizontal lines in the HTML document to separate sections of the document. It is an empty or unpaired tag, meaning there is no need for a closing tag.

pre tag used to maintain any paragraphs structure as new lines and description

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```

<title>Document</title>
</head>
<body>
  <h1>Hi Chaitanya</h1>
  <p>How are you</p>
  <p>tell me about yourself</p>
  <a href="https://www.youtube.com/">click here to go to youtube</a>
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Ipsa necessitatibus
cupiditate consectetur quasi velit tempore fuga esse beatae corrupti impedit culpa dolorem
amet provident delectus, aut dolorum quaerat error in quod!</p>
  <a href="new.html">click me to go another web page using html</a>
  <hr>
  <!-- image tag -->
  
  <hr>
  <br>
  <!--bold and italic and underline usages-->
  <b>explain your goals</b>
  <br>
  <i>your longterm goal</i>
  <br>
  <u>acheive your goals</u>
  <br>
  <!--br tag is used to enter in new lines-->
  <!--hr tags used to seperate in horizontal lines-->
  <big>This is Chaitanya</big>
  <br>
  <small>This is Chaitanya</small>
  <br>
  <p>Co<sub>2</sub></p>
  <p>ax<sup>2</sup>+bx+c</p>
  <pre>
    There are 27 = 128 printable characters which can be represented by different 7-BIT
    ASCII codes. Another set of characters are not for HTML representation but they are devised
    to control hardware.

    Following tables list down all the 7-BIT ASCII codes and their equivalent HTML
    Entity Codes.

    If you want to see equivalent HEX, OCT and extended set of ASCII codes then check
    next chapter.
  </pre>
</body>
</html>

```

Hi Chaitanya

How are you

tell me about yourself

[click here to go to youtube](#)

Lorem ipsum dolor sit amet consectetur adipisicing elit. Ipsa necessitatibus cupiditate consectetur quasi velit tempore fuga esse beatae corrupti impedit culpa dolorem amet provident delectus, aut dolorum quaerat error in quod!

[click me to go another web page using html](#)



explain your goals

your longterm goal

acheive your goals

This is Chaitanya

This is Chaitanya

Co₂

ax^2+bx+c

There are 27 = 128 printable characters which can be represented by differer

Following tables list down all the 7-BIT ASCII codes and their equivalent H1

If you want to see equivalent HEX, OCT and extended set of ASCII codes then

3 topic: HTML page layout

<header>

<main>

<footer>

In main tag we use section,article, aside

div tag is used as container for other tag

```
<body>
  <header>
    <h1> web development</h1>
  </header>
  <main>
    <!--<p> for adding information</p>-->
    <section>
      <a href="https://www.youtube.com/">youtube</a>
```

```

    <br>
    <a href="https://www.youtube.com/" target = "_main">
      
    </a>
  </section>
  <section>
    <!-- using div tag it is used as block element & always takes full
width -->
    <div>
      <h1> Why we need html</h1>
      <p>Lorem ipsum dolor sit amet consectetur, adipisicing elit.
Adipisci possimus odio laudantium veritatis voluptates consequuntur nulla
minus impedit praesentium, cupiditate inventore.</p>
    </div>

    <div>
      <h1>Explain about css</h1>
      <p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Unde
amet pariatur porro itaque quam neque.</p>
    </div>
    <div>
      Lorem ipsum dolor, sit amet consectetur adipisicing elit. Velit
fugiat excepturi molestias.
    </div>
    <!-- span is an example of inline element & and takes width as its
neccesary -->
    <span>
      <p> Useage of span tag. Unde amet pariatur porro itaque quam
neque.</p>
    </span>
    <span>
      detailed explanation of span ag
    </span>
  </section>
</main>
<footer>
  conclusion

</footer>
</body>

```

web development

[youtube](#)



Why we need html

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Adipisci possimus odio laudantium veritatis voluptates consequuntur nulla minus impedit praesentium, cupiditate inventore.

Explain about css

Lorem ipsum, dolor sit amet consectetur adipisicing elit. Unde amet pariatur porro itaque quam neque.

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Velit fugiat excepturi molestias.

Usage of span tag. Unde amet pariatur porro itaque quam neque.

detailed explanation of span tag
conclusion

Topic 4: lists

Unordered list ul tags we can arrange lists with square or disc or circle brackets;

```
<ul type="disc">
  <li>name</li>
  <li>place</li>
  <li>thing</li>
  <li>animal</li>
</ul>
```

Ordered lists we can arrange lists with numbers or roman numbers;

```
<ol type="a">
  <li>name</li>
  <li>place</li>
  <li>thing</li>
  <li>animal</li>
</ol>
```

Table tag: It is used to define table tags in html. It is divided into 3 types td, tr, th

If we want to add caption then we use caption tag in table and we can use thead & tbody tags we will use

Colspan tag is used to combine columns in a table as 2 or 3 columns

```
<table>
  <caption>
    Displaying players with highest score in ODI format
  </caption>
```

```

<thead>
  <tr>
    <th>s.no</th>
    <th>batsman_name</th>
    <th>runs_scored</th>
    <th>opponent</th>
  </tr>
</thead>
<tbody>
  <tr>
    <td>1</td>
    <td>virat</td>
    <td>183</td>
    <td>pakistan</td>
  </tr>
</tbody>
</table>

```

Form tag: it is used to collect input from user

Mainly different types of tags are there input

In input tag there are many text, checkbox, radio etc

```

<h1>Basic input details form</h1>
<form action="">
  <h4>Please enter your name:</h4>
  <input type="text" placeholder="enter your name"><br>
  <h4>choose your section </h4>
  <label for="sectionida">
    <input type="radio" value="section a" name="section" id="sectionida">
Section A
  </label>
  <label for="sectionidb">
    <input type="radio" value="section b" name="section" id="sectionidb">
Section B
  </label>
  <label for="sectionidc">
    <input type="radio" value="section c" name="section"
id="sectionidc"> Section C <br>
  </label>
  <div>
    <h4>please select your interested subject</h4> <br>
    <input type="checkbox" id="mathscourse" class="mpc" name="course">

```

```

        <label for="mathscourse">maths course </label>
    </div>
    <div>
        <input type="checkbox" id="biologycourse" class="Bipc"
name="course">
        <label for="biologycourse">Biology course</label>
    </div>

```

← → ↻ ⓘ File | C:/Users/chait/OneDrive/Desktop/programs/Web%20Develop

Basic input details form

Please enter your name:

choose your section

☐ Section A ☐ Section B ☐ Section C

please select your interested subject

- ☐ maths course
☐ Biology course

Please enter your email:

2) Textarea

```

<textarea name="explain" id="explain" cols="30" rows="10" placeholder="Explain
why do you like maths/biology"></textarea><br>

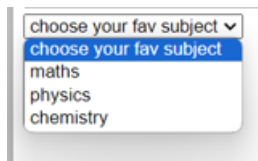
```

It used to display box of input

Explain why do you like
maths/biology

3)select tag is used select required details in a tag

```
<select name="subject" id="subject">
  <option value="default">choose your fav subject</option>
  <option value="maths">maths</option>
  <option value="physics">physics</option>
  <option value="chemistry">chemistry</option>
</select>
```



choose your fav subject ▼

Vedio tags : used to embed youtube vedio or mp4 files etc.

```
<div>
  <iframe width="560" height="315"
src="https://www.youtube.com/embed/BsDoLVMnmZs?si=hqAYFTLdu4dlD0sz"
title="YouTube video player" frameborder="0" allow="accelerometer; autoplay;
clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share"
allowfullscreen></iframe><br>
  <iframe src="https://www.CodeWithHarry.com" frameborder="0"
width="540p"></iframe><br>
  <video src="kingdom.mp4" controls autoplay loop width="1080p"></video>
</div>
```


Chapter 5: SEOS

Content optimisation of seo

Seos mainly in 2 types : on type seo and off type seo

On seo is covered in 5 types

- 1) Set the title into on point
- 2) Set the meta description
`<mete name ="description" content =".....">`
- 3) Set a nice url slug
- 4) Set the meta keywords tag
- 5) Set the meta authr tag
`<meta name ="author" tag ="chaitanya">`
- 6) Set a favicon
- 7) Compress images and other resourses
- 8)

```
<meta name="description" content="SEO is important topic useful in many  
process">  
  <meta name="keywords" content="seo, search, seo 2021">  
  <link rel="shortcut icon" href="favicon.ico" type="image/x-icon">
```