HTML

1.1

->1.1.1

What is Html?

Html is hyper text markup language it is used to develop a webpage. It is start with <!doctype html > and then <html> and last </html>.

Use of html

Basic use of html is create a webpages and other uses of html is text , inputs , image , video , audio , link , range , navigation etc.

About different browser

There are many browser like chrome, opera, edge, brave, firefox is reading a html code and then display result on webpage.

->1.1.2

Html version

Html 1.0 -> 1991 – it is simple structure and limited attribute and element.

Html 2.0 -> 1995 – add a new attribute element and list .

Html 3 -> 1997 – this version is support for forms tables image .

Html 4 -> 1999 – this version is in add a css property and image , video , audio etc.

Html 5 -> 2012 – this version is in add a navbar , header , section , metatag . like a strong structure . it is provides javascript to run in the background in console.

->1.1.3

Structure of html

<!doctype html>-> declaration define hai .

<html> -> root element of html page.

<head> -> information of html page

<title> -> title of html page in web browser.

<body> -> it is display content of webpage like headings , paragraph , image , link , audio , video , list etc.

1.2

(Basic Controls)

->1.2.1

Form (method type , action ..)

Form is used to collect a input data.

Form element is a container from different types of input element.

Form element is used to create a intrective form on web page.

Method:

1. Get :

-> append data to the url.

->data submit then show in form of url .

->it is not secure .

->it can be pass limited size of data(2048 char)

2. Post :

->append data to the server.

->data submitted then not shown in url so it is more secure .

-> it can be passed large size of data .

->no limited size of data .

->1.2.2

Different type input:

```html
<input type="text" name="username" placeholder="enter username"><br><br>
<input type="password" name="password" placeholder="enter password"><br><br>
<input type="button" name="button" value="submit" >
<input type="checkbox" name="checkbox" value="subscribe to box">subscribe to box <br> <br>
<input type="radio" name="gender"  >male <br> <br>
<input type="radio" name="gender"  >female <br> <br>
<input type="color" >color<br> <br>
<input type="date" >date <br> <br>
<input type="datetime-local">datetime-local <br> <br>
<input type="email" name="email" placeholder="enter your email"><br> <br>
<input type="file" name="filetoupload"> <br> <br>
<input type="submit" value="submit"><br> <br>
<input type="hidden" ><br> <br>
<input type="image" value="image"><br> <br>
<input type="month" ><br> <br>
<input type="number"  ><br> <br>
<input type="range"><br> <br>
<input type="reset" value="reset" ><br> <br>
<input type="search" placeholder="search..."><br> <br>
<input type="tel" placeholder="tel"><br> <br>
<input type="time" ><br> <br>
<input type="url" placeholder="url"><br> <br>
<input type="week" ><br> <br>
```

all input type

enter username

enter password

submit ☐ subscribe to box

○ male

○ female

🔲 color

dd/mm/yyyy 🗓 date

dd/mm/yyyy --:-- 🗓 datetime-local

enter your email

Choose File | No file chosen

submit

image

->1.2.3

Textarea:

It is use a large amount of text size and use it.

It is use a create feedback , rate , message , etc.

Code:

```
<label>Enter your message</label><br/>
<textarea placeholder="enter your message" ></textarea><br/>
```

Enter your message

enter your message

->1.2.4:

Selectbox:

```
<label>Gender</label>
<select>
    <option value="male">male</option>
    <option value="female">female</option>
</select><br/>
```

Gender male ⌄

male

female

->1.2.5:

Checkbox

```
<input type="checkbox" name="checkbox" value="subscribe to box">subscribe to box <br> <br>
```

☐ subscribe to box

->1.2.6

Radio button:

```
<label>Rating</label>

<input type="radio" name="rating" value="1" id="1"/>
<label for="1" id="1">1</label>

<input type="radio" name="rating" value="2" id="1"/>
<label for="1" id="2">2</label>

<input type="radio" name="rating" value="3" id="1"/>
<label for="1" id="3">3</label>

<input type="radio" name="rating" value="4" id="1"/>
<label for="1" id="4">4</label>

<input type="radio" name="rating" value="5" id="1"/>
<label for="1" id="5">5</label><br/><br/><br/><br/><br/>
```
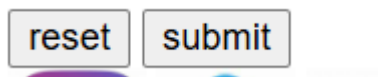
Rating ○ 1 ◉ 2 ○ 3 ○ 4 ○ 5

->1.2.7:

Button

```
<button type="reset">reset</button>
<button type="submit">submit</button><br/>
```

reset submit

->1.2.8

Submit input

If I click submit button then start initial a process like a data sent to server.

->1.2.9

File control with its attribute

Value:

Value attr. is represents a the path to be the selected files.

Accept:

Accept attr. is used to example(if I can choose a .pdf so it can only allow pdf file).

Multiple:

It's attr is use to select a multiple file.

->1.3

    ->1.3.1

Name :

It is used to identify element and when we can submitted form then data is sent to server.

```html
<label>Gender</label>
<select>
    <option value="male" name="gender">male</option>
    <option value="female" name="gender">female</option>
</select><br/>
```

->1.3.2

Id:

It is use to uniquely identify element on a web page.

```html
<!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>
<style>
    #div1{
        color: red
    }
</style>
<body>
    <div id="div1">
        <h1>hello jee</h1>
        <p>hello every one</p>
    </div>
</body>
</html>
```

->1.3.3

Value:

It is used to specify value of an element . and input elements to define a initial or default value on input field.

```html
<input type="text" name="username" value="parth"><br><br>
```

->1.3.4

Class:

It is used to one or more class name to an element .

It is allow you to multiple element together and then they common style it.

```
∨ <style>
  ∨      .div1{
            color: ■red
         }
   </style>
∨ <body>
  ∨      <div class="div1">
            <h1>hello jee</h1>
            <p>hello every one</p>
         </div>
   </body>
   </html>
```

->1.4

Basic tag

->1.4.1

Img tag:

It is used to display image on web page . like jpg , png ,webp etc.

```
<img src="tofu.webp" alt="tofuhai" width="100" height="100">
<!--alt ka matlab hai ki jab image load hogi tab hamara tofuhai vala alt dekhega -->
```

A tag:

```
<ul>
    <li><a href="https://www.tatamotors.com/" target="_blank">Tata moters</a></li>
    <li><a href="https://www.tcs.com/" target="_blank"><abbr title="Tata consultancy service">TCS</abbr></a>
    <li><a href="https://www.tatachemicals.com/" target="_blank">Tata chemicals</a></li>
</ul>
```

->1.4.2

What is meta tag:

Short form data about data.

It is not display on web page .

It is used to provide a metadata about your web page.

```
<meta name="parth" content="this is my page">
<meta name="project" content="html css js">
```

Usage:

SEO(search engine optimization)

How to display content

Reload page

Description of web page

->1.4.3

What is responsive website?

A responsive website is a automatically fit a different screen size

How user can do it ?

Media query

Flexible content

Responsive image

It is using css property like max width , min width , sm, flexbox , grid , wrap .

Grid is two dimensionals system and flexbox is one dimensional system.