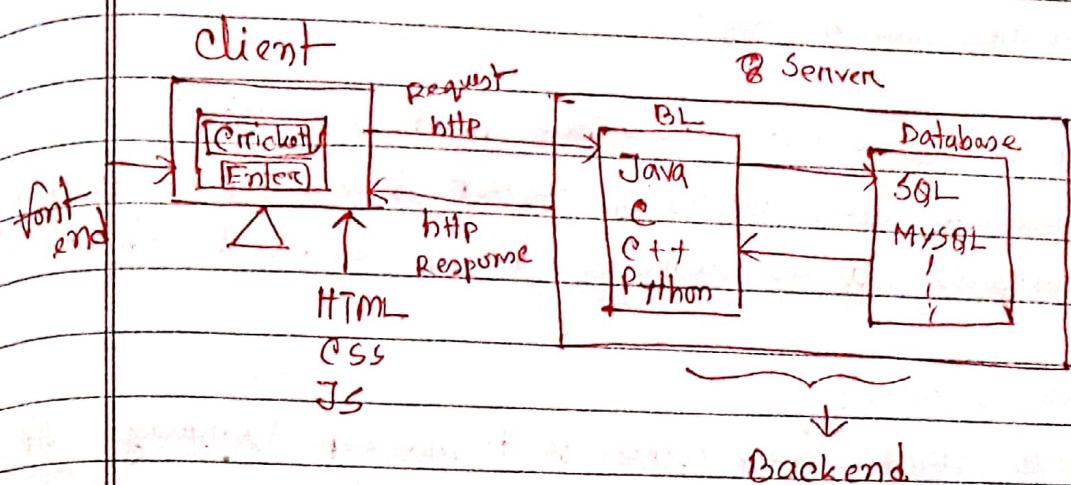


# HTML



Model name :- Request- Response Model

Web :- Web is an information space which contains web related resources such as images, videos, documents, texts etc.

Internet :- Internet is a media which is used to access web pages. Collection of networks / Network of networks.

Network :- Two or more computers connected together is known as network.

Web development :- It is a process of developing the web application, hosting the web application and managing the web applications.

Browsers :- Browser is a client side software which is installed in our computer and it is the only software which allows us to access the web page.

Web servers :- Servers in a computer where all the websites are hosted.

http :- hypertext transfer protocol. It is responsible for carrying request from client to the server as well as response from server to the client.

What is html?

- html stands for hyper text markup language. It is a language used to create layout of the webpage.  
- html is the only format which is supported by the browser.

By using html we can create only static webpage.

Webpage :- Web page is a single html element.

Website :- It is a collection of webpages.

Structure of html :-

<!Doctype html> → Version information

<html>

<head>

→ head section (invisible part)

</head>

<body>

→ body section (visible part)

</body>

</html>

head section tags :- It is invisible in browser  
Whatever you want to write.  
5 tags are there -

- ① <meta />
- ② <link>
- ③ <style> </style>
- ④ <script> </script>
- ⑤ <title> </title>

Two types of tags:-

- ① Paired tags or double tags Ex: <html> </html>  
<body> </body>
- ② Unpaired tags or single tags Ex: <link> <meta>

Attributes :-

Attributes are the properties which provides extra effect to the html elements.

eg:- <body bgcolor = "Red">  
 ↗                      ↘  
 attribute            value  
 </body>

body tag :- Following are the attributes of body tag.

Attributes	Parameters
① bgcolor	color code / color name
② Background	Image path / image name
③ Text	color name / color code

Ex:- <!doctype html>  
 <html>  
 <head>  
 <title> First web page </title>

```

<link href = "1.png" rel = "icon" />
</head>
<body>
    welcome
</body>
</html>

```

for image address:- copy image address paste over  
there

# Paragraph tag :- <p> </p>

Attributes	Parameters
① Align	left (default) Right Center justify → proper alignment

# Pre tag :- <pre> </pre>

The tags which are removed  
preserves white spaces.

Font tag :-

The tags which are removed from html file  
is known as duplicated tags.  
e.g. <font> </font>

Attributes	Parameters
① color	color name / code
② size	px, pt, %, default px size in font-family
③ face	font-family

```
<!DOCTYPE html>
<html>
<head>
<title> Font </title>
</head>
<body>
<font color="red" size="50px" face="castellar">
Jspidens </font>
</body>
</html>
```

### Presentational tags / Formatting tags

- ① `<b></b>`
- ② `<strong></strong>`
- ③ `<s></s>`
- ④ `<strike></strike>`
- ⑤ `<del></del>`
- ⑥ `<sup></sup>` → superscript
- ⑦ `<sub></sub>` → subscript
- ⑧ `<u></u>` → underline
- ⑨ `<Big></Big>` → big
- ⑩ `<xsmall></xsmall>` → xsmall
- ⑪ `<q></q>` → quotation
- ⑫ `<Blockquote></Blockquote>`

Special Characters:- Special character starts with & and ends with ;

Special characters are case sensitive.

- ① &larr; ; left arrow
- ② &rarr; ; right arrow
- ③ &uarr; ; up arrow
- ④ &darr; ; down arrow

- ⑤ & lsquo; → left side single quote
- ⑥ & rsquo; → right side single quote
- ⑦ & ldquo; → left side double quote
- ⑧ & rdquo; → right side double quote
- ⑨ & deg; → degree
- ⑩ & trade; → TM
- ⑪ & copy; → ©
- ⑫ & neg; → ®
- ⑬ & clubs; → ♣
- ⑭ & spades; → ♠
- ⑮ & diamonds;
- ⑯ &nbsp; → non-breaking space. If you want to space positioning.
- ⑰ &hearts;

Ex :- <!doctype html>

```
<body style="background-color = "black" text = "white">  
JSPIDERS &lt;br;>  
JSPIDERS &lt;br;>  
JSPIDERS &lt;br;>  
JSPIDERS &lt;br;>  
JSPIDERS &lsquo; </br>  
JSPIDERS &rsquo; </br>  
JSPIDERS &ldquo; </br>  
JSPIDERS &rdquo; </br>  
JSPIDERS &deg; </br>  
JSPIDERS &trade; </br>  
JSPIDERS &copy; </br>  
JSPIDERS &neg; </br>  
JSPIDERS &clubs; </br>  
JSPIDERS &spades; </br>  
JSPIDERS &diamonds; </br>  
JSPIDERS &hearts; </br>  
</body>  
</html>
```

**Marquee tag :-** marquee tag is used to apply movement to the html element.

Attributes	Parameters
① Behaviour	scroll (default) slide, Alternate
② bgcolor	color name / color code
③ width	px, pt, %
④ height	px, pt, %
⑤ loop (no of times)	Any number
⑥ scrollamount (↑ speed)	Any number
⑦ direction	left (default) right up down

Ex:- <!doctype html>

```

<html>
  <head>
    <title> Marquee tag </title>
    <link href = "img.jpg" rel = "icon" />
  </head>
  <body bgcolor = "black" text = "white">
    <marquee direction = "up" behavior = "slide" loop = "10"
      height = "100px" scrollamount = "blue" scrollamount = "50"> JSPIDERS
    </marquee>
    <marquee direction = "down" behavior = "scroll" loop = "10"
      height = "600px" scrollamount = "purple" scrollamount = "50"> Jspiders </marquee>
    <marquee direction = "right" behavior = "alternate"
      loop = "10" height = "600px" width = "1000px" scrollamount = "green"
      scrollamount = "50"> Jspiders </marquee>
  </body>
</html>

```

```

<marquee direction="left" behaviour="slide" loop="10"
width="1000px" bgcolor="red" scrollamount="50">
  Spider </marquee>
</body> 1
</html>

```

### Table :-

- table is a collection of cells
- By default table has no borders

#### Structure of table :-

```

<table>
  <tr>
    <th> </th> <th> always bold and
    <th> </th> centered
  </tr>
  <tr>
    <td> </td> <td> → default text
    <td> </td>
  </tr>
</table>

```

#### Attributes of <table> :-

Attributes	Parameters
① Borders	px, pt, %
② bgcolor	color name/code
③ border-collapse	color name/code
④ height	px, pt, %
⑤ width	px, pt, %
⑥ cell padding	px, pt, %
⑦ cell spacing	px, pt, %
⑧ Rules	cols, rows, all

⑨ Align

left, right, center

⑩ Background

image path

→ The space between content and edge of cell is called cell padding.

→ Space between 2 cell is cell spacing

→ If you want table in the form of rows & columns use rules.

`<tr> </tr>`

Attributes	Parameters
vertical → valign	Top, Bottom, middle
<td>left, Right, center</td>	left, Right, center
<td>any number</td>	any number
<td>any number</td>	any number
bgcolor	color name/color code

Assignment :-

rowspan	A	B	C
	D	E	F
	G	H	
	I	J	K
			colspan

Students	Name	USN	Branch	Gender
	Dinga	123	CS	Male
Faculties	Ranga	486	IS	Male
	Manga	723	ME	Others
Faculties	Name	Subject	Branch	Gender
	Sheela	ACA	CS	Female
	Gita	ADA	IS	Female
	Kamala	ES	CS	Female

## Image tag :- <img />

Attributes	Parameters
① src	image path / image name
⑤ title	any name
③ height	px, pt, %
④ width	px, pt, %
⑤ Alt	any name

→ global Attribute (inherent or within any tag)

→ whenever you are not inserting any image, wrong path we will get alternative message like → Alt

Ex:- <head>

```
<title> Image Creation </title>
<img src = "img3.png" height = "100px" width =
"100px" >
```

```
<img Alt = "no image" >
```

```
</head>
```

```
<body></body>
```

```
</head>
```

```
</html>
```

## Anchors tag :-

Hyperlinks :- arrow symbol to hand symbol

There are 2 types of hyperlink

① External hyperlink

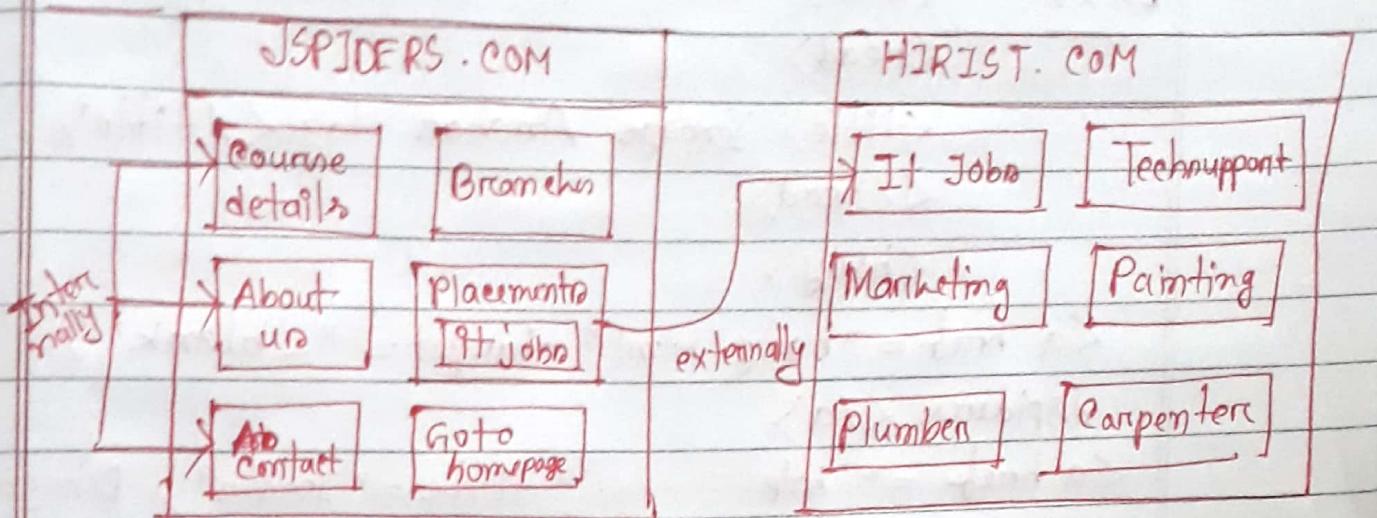
② Internal hyperlink

Internal hyperlink :- The content present in same page. Control remains in the same website.

External hyperlink :- If control goes to other page then it's called external link.

Control goes outside website.

Ex:-



Attributes of Anchor tag :- <a> </a>

Attributes	Parameters
① href	URL / Any file → mandatory
② title	Any name
③ Target	→ Parent (Default) → open same tab → Blank → different
④ Download	Any name

→ This tag is used to convert hyperlinks.

Ex:- <!DOCTYPE html>

<html>

<head>

<title> Anchor tag </title>

</head>

<body>

<a href = "body.html"> Jspiders </a>

<a href = "http://recruit.hirist.com/login">  
Dinga </a>

</body>

</html>

Ex 2:-

```
<html>
  <head>
    <title> Jomage Anchans tag </title>
  </head>
  <body>
    <a href = "body.html" target = "_blank">
      Spideru </a>
    <a href = " http://... " title = "India"> Dinga </a>
  </body>
</html>
```

id → Any name (Global Attribute but unique)

href = "#a" → id name.

→ By using this we can avoid scrolling.

Ex:-

```
<a href = "#a"> HTML </a><br>
<a href = "#b"> CSS </a><br>
<a href = "#c"> JS </a><br>
<a href = "#d"> Java </a>
<p id = "a"> HTML </p>
```

Download :-

The link which we are planning to href that will be downloaded.

<body>

```
<a href = "1.jpg" download = "dinga">
  <img alt = "and.jpg" > </a><br>
```

List :-  $\langle li \rangle \rightarrow$  list items

$\rightarrow$  list is used to arrange the html element in proper order.

There are 2 types of list

(1) Ordered list

(2) Unordered list

Ordered list ( $\langle ol \rangle \langle /ol \rangle$ ) :-

Attributes	Parameters
(1) Type	(Number), A, a, I, i, 1 - 100
(2) start	Any number

Note :- start attribute accepts only numbers.

Unordered list ( $\langle ul \rangle \langle /ul \rangle$ ) :-

Attributes	Parameters
(1) Type	Disc (Default) $\rightarrow$ • square $\rightarrow$ □ circle $\rightarrow$ ○

Ex :-  $\langle body \rangle$

$\langle ol type = "A" start = "13" \rangle$

$\langle li \rangle$  Java  $\langle /li \rangle$

$\langle li \rangle$  CSS  $\langle /li \rangle$

$\langle li \rangle$  HTML  $\langle /li \rangle$

$\langle /ol \rangle$

$\langle ul type = "square" \rangle$

$\langle li \rangle$  Tea  $\langle /li \rangle$

$\langle li \rangle$  coffee  $\langle /li \rangle$

$\langle /ul \rangle$

## Assignment:-

### ① Programming language

- o Java
- o Python
- o C
- o C++
- o .Net

### ② JavaScript Framework

- o Angular JS
- o Express JS
- o React JS

## Headings

<h1>

<h2>

<h3>

<h4>

<h5>

<h6>

→ If we are inserting others than this header we will not get any errors and we will default font size.

<!doctype html>

<html>

<title> </title>

<body>

<h1> Jspiderus </h1>

<h2> Jspiderus </h2>

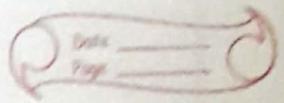
<h3> Jspiderus </h3>

<h4> Jspiderus </h4>

<h5> Jspiderus </h5>

<h6> Jspiderus </h6>

</body>



## Progress :-

→ Which is used to create progress path like 20%  
30% downloaded.

Ex:- <!doctype html>

<html>

<head>

</head>

<body>

<progress max="200" value="180"></progress>

</body>

</html>

## Mark tags

→ It is used to highlight the text.

<!doctype html>

<html>

<head>

</head>

<body>

<p> Dinga <mark> Married </mark> Dingi </p>

</body>

</html>

## Details and summary tag

<!doctype html>

<html>

<head>

</head>

<body>

<details>

<summary> HTML </summary>

<p> Hypertext Markup language. </p>

</details>

</body>

</html>

horizontal rule → <hr/> tag  
→ hr tag is used to create horizontal lines on the web page.

The following are the attributes of <hr/> tags.  
<hr/> → unpaired

Attributes	Parameters
① Size	px, pt, %
② width	px, pt, % (100% default)
③ color	color name / color code
④ Align	left, right, center (default)
⑤ No shade	- This work - only when you are not passing color attributes If you are passing along with color attribute it will not work.

<!doctype html>

<html>

<head>

</head>

<body>

Jspiders <hr color = "red" size = "50px" width = "50%" />

Jspiders <hr size = "50px" width = "50%" align = "left" noshade />

</body>

</html>

Audio and video tag :- <audio> / <video>

Attributes	Parameters
① Controls	
② Height	Px, Pt, Y.
③ Width	— " —

Sources

Attributes	Parameters
① Src	Audio file/ video file

<body> → without it audio will not execute.  
<audio controls>

<source src = "1.mp3">

</audio>

<video controls height = "300px" width = "300px">

<source src = "1.mp4"/>

</video>

</body>

<iframe> </iframe>

Attributes	Parameters
① Src	URL, file name,
② Height	Px, Pt., %
③ Width	— " —

<body>

of ব্যবহার করা সুন্দর এবং সহজেই অন্তর্ভুক্ত করা সহজ।  
<iframe src = "body.html" > </iframe>

<iframe src = "another link" > </iframe>

</body>

④ <form action = "body.html" name = "f" method = "post" > করা

<label> Username </label>

<input type = "text" placeholder = "Enter valid username" maxlength = "6" >

</br>

difference between

<label> Password </label>

value and placeholder  
↓  
It showed. Need to delete first. If not be shown.  
It will blank.

<input type = "password" size = "10" required name = "pw" >

<input type = "submit" >

<input type = "reset" >

<label> Email </label>

<input type = "email" name = "e" > <br />

<label> Url </label>

<input type = "url" name = "u" > <br />

```
<label> Select Your favorite color </label>
<input type = "checkbox" name = "c1"> Red
<input type = "checkbox" name = "c2"> Green
<input type = "checkbox" name = "c3"> Blue
<input type = "checkbox" name = "c4"> Pink <br/>

<label> Select Your Gender </label>
<input type = "radio" name = "r1" checked> Male
<input type = "radio" name = "r2" disabled> Female
<input type = "radio" name = "r3" disabled> Others <br/>

<input type = "submit" name = "s1">
<input type = "reset" name = "r1" disabled>

<select>
    <option> Select Your state </option>
    <option> Karnataka </option>
    <option> Andhra Pradesh </option>
    <option> Tamilnadu </option>
    <option> UP </option>
<select><br/>

<select multiple>
    <optgroup label = "Non-veg">
        <option> Kabab </option>
        <option> Chicken Masala </option>
        <option> Chilly Chicken </option>
        <option> Mutton Fry </option>
        <option> Fish Kabab </option>
    </optgroup>
    <optgroup label = "veg">
        <option> Masala dosa </option>
        <option> Lemon rice </option>
        <option> Rice sambhar </option>
    </optgroup>
<select>
```

```
<textarea rows="10px" cols="30px" placeholder="write your comment">  
</textarea><br/>  
<input type="date"><br />  
<input type="time"><br />  
<input type="file">  
<input type="submit" name="s" value="login">  
<input type="reset" name="r" disabled>  
</form>  
<input type="button" value="click">  
<button>Clear </button>
```