**Html**-Raw structure(any website we have to use html, it’s not possible to create a website without html)

**CSS**-Design purpose((look and feel)any kind of design element will be done by CSS)

**Bootstrap**-Responsive(website fit on all screens(without any bottom scroll bar)

These three are static( involved in design part and doesn’t throw any error)

**HTML**

**Tags**

* Html-wrapper main tag
* Head-use for linking purpose(CSS,JS)(except title nothing is visible to user)
* Body-whatever visible user is part of body

Ex:

<html>

<head><title></title></head>

<body></body>

</html>

**6 Heading tags** (Size difference)

* <h1></h1>
* <h2></h2>
* <h3></h3>
* <h4></h4>
* <h5></h5>
* <h6></h6>

**Alignment Tags**

* <left></left>
* <right></right>
* <center></center>

**Other tags**

* **Paragraph- is Block level element(h1,p,div)** which takes whole width of the screen and these always start in new line
* <p style=”background-color:red”></p>
* **Span- is Inline statement(a,img,span)** which takes space only required and these starts in same line
* <span style=”background-color:hotpink”></span>

**Self-Closing tags**

* **Break** <br/>
* **horizontal line** <hr/>
* **image tag** <img src=”imagename.jpg” alt=”Defalut text” title=”title”/>
* **src- source(image name)**
* **alt -**if we give miss to give correct image name then we see the text we give in alt in that place
* **title-** If we want some text on the image the we use this attribute.

**other tags**

* **Anchor tag <a href=”url”></a>**
* **Href- hyper reference(url)**

**Ex:**

<html>

<head><title>Home Page</title></head>

<body>

<center><img src=”image/london.jpg” alt=”London” title=”London”/> </center>

<center><a href=”url”>London image</a></center>

<center><h1>Heading</h2></center>

<p style=”background-color:hot pink”> **Lorem Ipsum** is simply dummy text of the printing and typesetting industry. </p>

<br/>

<span style=” background-color:hot pink”> **Lorem Ipsum** is simply dummy text of the printing and typesetting industry. </span>

<ht/>

</body>

</html>

**Other Tags used in body tag**

* **Header tag -** <header></header>
* **Footer tag -** <footer></footer>
* **Division tag-** <div></div>
* **<!**—Name Div🡪 is a comment line used in div tag for different div tags

**EX:**

<html>

<head><title></title></head>

<body>

<header>

<center>

<h1>Fullstack</h1>

<a href=”facebook.com”><img src=”images/facebook.jpg” alt=”fb” height=”50” width=”50”/></a>

</center>

</header>

</center>

<br/>

<div>

<!—London Div -->

<div>

<center>

<h1>Fullstack</h1>

</header>

<center><img src=”image/london.jpg” alt=”London” title=”London”/> </center>

<p> **Lorem Ipsum** is simply dummy text of the printing and typesetting industry </p>

<span> **Lorem Ipsum** is simply dummy text of the printing and typesetting industry</span>

</div>

</div>

<p> **Lorem Ipsum** is simply dummy text of the printing and typesetting industry </p>

<span> **Lorem Ipsum** is simply dummy text of the printing and typesetting industry</span>

<footer>

<center>

<h1>@Fullstack</h1>

</footerr>

</body>

</html>

**Ordered & Unordered List tags**

**Ordered list:**

* **<ol type=”1/A/a” start=”number”><li></li></ol>**

**Unordered list:**

* **<ul type=”square/disk/circle”><li></li></ul>**

**Descriptive list:**

* **<dl>**

**<dt></dt> (dt is data term)**

**<dd></dd>(dd is data description)**

**</dl>**

**Ex:**

<html>

<head></head>

<body>

<ol type=”1” start=”3”>

<li>Red</li>

<li>yellow</li>

<li>green </li>

</ol>

<hr/>

<ol type=”A” start=”25”>

<li>Red</li>

<li>yellow</li>

<li>green </li>

</ol>

<hr/>

<ol type=”I” start=”25”>

<li>Red</li>

<li>yellow</li>

<li>green </li>

</ol>

<hr/>

<ol type=”i” start=”2”>

<li>Red</li>

<li>yellow</li>

<li>green </li>

</ol>

<hr/>

<ul type=”square”>

<li>Red</li>

<li>yellow</li>

<li>green </li>

</ul>

<hr/>

<ul type=”disc”>

<li>Red</li>

<li>yellow</li>

<li>green </li>

</ul>

<hr/>

<ul type=”circle”>

<li>Red</li>

<li>yellow</li>

<li>green </li>

</ul>

<dl>

<dt>Coffee</dt>

<dd>Cappuccino</dd>

<dd>Espresso</dd>

<dd>Latte</dd>

</dl>

<dl>

<dt>Languages</dt>

<dd>English</dd>

<dd>Telugu</dd>

<dd>Hindi </dd>

</dl>

<hr/>

</body>

</html>

**Table tag**

**<table>**

<thead>

<tr>(tr is table row)

<th>roll no</th>(th is table heading)

<th>name</th>

<th>class</th>

</tr>

</thead>

<tbody>

<tr>

<td>1</td>(td is table data)

<td>amit</td>

<td>React</td>

</tr>

<tr>

<td>2</td>(td is table data)

<td>Seetha</td>

<td>Node</td>

</tr>

</tbody>

**</table>**

**Details tag:**

**<details>**

<summary>About Hotels</summary>

<img src=”image/london.jpg” alt=”London” title=”London”/>

<p> **Lorem Ipsum** is simply dummy text of the printing and typesetting industry </p>

**</details>**

**In 1 image we can divide that into section and use as link by using**

* **<img src=”images/imgmap.png” alt=”shoppin” usemap=”#shopmap” width=”400” height=”300”/>**

**<map name=”shopmap”>**

<area shape=”rect” cords=”35,45,100,200” alt=”cloth” href=”first.html”>

<area shape=”rect” cords=”205,45,300,200” alt=”cloth” href=”facebook.com”>

**</map>**

**To add map &video to the webpage directly**

* Open **map** in browser and open your location then share 🡪 you find one embed option click that and copy that <iframe> tag and paste in your html code and you are able to see map in your webpage.
* Open **video** in youtube and open your location then share 🡪 you find one embed option click that and copy that <iframe> tag and paste in your html code and you are able to see video in your webpage.(here the video plays only when we copy your own video or some video in which the channel is not monitized )

**To add video from your downloaded list**

* **<video width=”560” height=”315” autoplay muted controls loop poster=”images/London.png”>**

< source src=”images/video.mp4” type=”video/mp4”/>

**</video>**

* **<video width=”560” height=”315” muted controls loop poster=”images/London.png”>**

< source src=”images/video.mp4” type=”video/mp4”/>

**</video>**

**If we give correct video path then video will play otherwise it shows the poster**

**To add audio to your webpage**

* **<audio muted controls loop>**

< source src=”images/video.mp4” type=”video/mp4”/>

**</audio>**

**Other tags**

* **<u></u>** underline
* **<b></b>** bold
* **<i></i>** italic
* **<strike></strike>** strike
* **<del></del>** del is alternative to strike tag

**To add Icon in title bar of your website**

Use link tag in head tag after title tag

**EX:**

<html>

<head>

<title>Home Page</title>

<link href=”images/facebook.jpg” rel=”icon”/>(rel is related to)

</head>

<body></body>

</html>

**Single Template Webpage by using Section Tag**

Ex:

<html>

    <head>

        <title>Single Template</title>

        <meta name="viewport" content="width=device-width, initial-scale=1">

        <meta name="description" content="Full Stack Developer">

        <meta name="keywords" content="Aakash Handa, ">

    </head>

<body>

        <header id="header">

            <center>

                <h1>About Cities</h1>

                <a href="#amsterdam">Amsterdam</a>

                <a href="#manali">Manali</a>

                <a href="#london">London</a>

            </center>

        </header>

        <hr/>

        <section id="amsterdam">

            <center>

                <h1>Amsterdam</h1>

            </center>

            <p>

                Amsterdam is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

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            </p>

            <center>

                <img src="images/amsterdam.jpeg" alt="solang valley"/>

            </center>

            <p>

                Amsterdam is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

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            </p>

        </section>

        <hr/>

        <section id="manali">

            <center>

                <h1>Manali</h1>

            </center>

            <p>

                Manali is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

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            </p>

            <center>

                <img src="images/manali.jpeg" alt="solang valley"/>

            </center>

            <p>

                Manali is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

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            </p>

        </section>

        <hr/>

        <section id="london">

            <center>

                <h1>London</h1>

            </center>

            <p>

                London is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

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            </p>

            <center>

                <img src="images/amsterdam2.jpeg" alt="solang valley"/>

            </center>

            <p>

                London is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

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            </p>

        </section>

        <footer>

            <center>

                <a href="#header">Back to Top</a>

            </center>

        </footer>

    </body>

</html>

**Single Template Webpage by using Div Tag**

**EX;**

<html>

    <head>

        <title>Single Template</title>

        <meta name="viewport" content="width=device-width, initial-scale=1">

        <meta name="description" content="Full Stack Developer">

        <meta name="keywords" content="Aakash Handa, ">

    </head>

    <body>

        <header id="header">

            <center>

                <h1>About Cities</h1>

                <a href="#Amsterdam">Amsterdam</a>

                <a href="#Manali">Manali</a>

                <a href="#London">London</a>

            </center>

        </header>

        <hr/>

        <div id="Amsterdam">

            <center>

                <h1>Amsterdam</h1>

            </center>

            <p>

                Amsterdam is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

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            </p>

            <center>

                <img src="images/amsterdam.jpeg" alt="solang valley"/>

            </center>

            <p>

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            </p>

        </div>

        <hr/>

        <div id="Manali">

            <center>

                <h1>Manali</h1>

            </center>

            <p>

                Manali is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

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            </p>

            <center>

                <img src="images/manali.jpeg" alt="solang valley"/>

            </center>

            <p>

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            </p>

        </div>

        <hr/>

        <div id="London">

            <center>

                <h1>London</h1>

            </center>

            <p>

                London is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

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            </p>

            <center>

                <img src="images/amsterdam2.jpeg" alt="solang valley"/>

            </center>

            <p>

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            </p>

        </div>

        <footer>

            <center>

                <a href="#header">Back to Top</a>

            </center>

        </footer>

</body>

</html>

Footer

**Meta Tags**

Metadata is used by browsers (how to display content or reload page), search engines (keywords), and other web services.

* <meta name=”viewport” content=”width=device-width, initial-scale=1”>
* **<meta name=”description” content=”Full stack developer”>**
* **<meta name=”keywords” content=”Aakash Handa, “>**