**HTML TAGS**

* **HTML markup tags are usually called HTML tags**
* **HTML is client side scripting language ,it is used to design static web pages.**
* **Hyper=”it means a reference r a link”**
* **Text=”data r information”.**
* **Markup =”predefined term”**
* **Language =”used for communication”**
* **HTML is not a programming lang,it is like markup language**
* **Markup language is asset of markup tags here everything represents as tag format.Is also used to describe the web pags**
* **HTML tags are keywords(tag names ) surrounded by angle brackets like <html>**
* **HTML tags normally come in pairs like <b> and</b>**
* **The first tag in a pair is start tag OR open tag”<”,the closing tag is the end tag”>”**
* **Start and end tags are also called opening tags and closing tags <tagname>Content</tagname>**

**HTML TAGS:**

* **Tag Description**
* **<!DOCTYPE> Defines the document type**
* **<a> Defines a hyperlink**

**Bold Tag:**

* **It is used to bold the contents of a web page**

**<b>STUDENT</b>**

**o/p : bold format**

**Italic Tag:**

* **It is used has italic contents of the body**
* **<i>STUDENT</i>**
* **o/p :italic format**

**Strike off Tag:**

* **it is used has Strike contents of the body**
* **<s>ABC</s>**

**Underline tag:**

* **It underline the content**
* **<u>SDF</u>**

**Heading Tag:**

* **It is used for making heading in webpages there are 6types**
* **<h1>..</h1>**
* **<h2>..</h2>**
* **<h3>..</h3>**
* **<h4>..</h4>**
* **<h5>..</h5>**
* **<h6>..</h6>**
* **H1 having big font size.**
* **H2 have some less size compare to h1**
* **(text format=17size)**
* **It is automatically in bold form**

**Standalone Tag:**

* **Some tag does not have closing tag: This tags are called as standalone tag**
* **<br> used to breaking the row**
* **<hr> it create one horizontal line**

**Anchor Tag:**

* **<a>…</a>**
* **Anchor tag creates the link**
* **<a href=**[**http://www.ABC.com**](http://www.ABC.com)**>link</a> to other internet location or file**

**Acronym Tag:**

* **Acronym tag defines an acronym,like;**
* **<acronym title =”world wide web”>WWW</acronym>**
* **o/p:www\_**

**Big Tag:**

* **Big tag makes the big compare to header tag, it will be larger size**
* **<big>…</big>**

**Break Tag:**

* **Line break tag is specifying a new line**
* **<b>**

**Button:**

* **Button tag is used to create the button**
* **<button type=”button”>push button</button>**
* **o/p: push button**

**Caption Tag:**

* **<caption>….</caption>**
* **Caption tag is adds a caption a table**

**Center Tag:**

* **<center>…</center>**
* **Center tag center text , images. Making anything to center**

**Super script Tag:**

* **It mean power as mathematical expression**
* **<sup>…</sup>**
* **X<sup>2**
* **o/p :x power 2**

**Subscript Tag:**

* **Y<sub>1**
* **o/p: y down 1**

**Pre Tag:**

* **It is used in pre-formatted text**
* **What we give in body section same printed as output like “apple”**
* **o/p:”apple”**

**EM tag:**

* **<em>emphasize</em>**
* **Tag will emphasize the text in italic form**

**Embed Tag:**

* **<embed>…</embed>**
* **Embed tag gives a command to a browser to include a multimedia elements such as video, sound files with in a web document**
* **<embed src=”video file.mov” width=”100” height=”100”>**
* **o/p: it will display according to size**

**Div Tag:**

* **Div tag is a logical section of a web document**
* **<div>**
* **<h1>Home page</h1>**
* **<p> cats </p>**
* **</div>**
* **o/p: Home page**
* **cats**

**Dl Tag:**

* **<dl> dl tag defines a definition list </dl>**
* **<dl>**
* **<dt>csu</dt>**
* **<dd> California state university</dd>**
* **</dl>**
* **o/p:csu**

**California state university**

**Dir Tag:**

* **Dir tag defines directory list &syntax**
* **<dir>**
* **<li> 1st </li>**
* **<li> 2nd </li>**
* **</dir>**
* **o/p: 1st**

# 2nd

**Span Tag:**

* **<span>….</span>**
* **Used to group inline elements**

**Blockquote:**

* **Create blockquote from newline**
* **<blockquote> </blockquote>**

**Para Tag:**

* **<p> </p>**
* **Creates new paragraph**

**Font Tag:**

* **It is used for changing the font style ,color , size and font name**
* **<html>**
* **<head><title>Demo page </title>**
* **</head>**
* **<body bgcolor=”yellow”>**
* **<font color =”orange”>India</font>**
* **o/p: bg color :-it will display complete page yellow**
* **orange color displayed to India**

**Cite Tag:**

* **<cite> it will represent italic format</cite>**

**Code Tag:**

* **<code>html tags.html</code>**
* **Code tags r used for example to indicate a code of the current**

**Col tag:-**

* **Col tags r used to define column properties for table colums**
* **<col>..</col>**

**Del tag:**

* **Del tag indicates <del> deleted text</del>**
* **o/p:will be cross mark**

**Select tag:**

* **<select>**
* **<option value=”planes” selected=”selected”>planes</option>**
* **<option value=”train” selected=”selected”>train</option>**
* **<option value=”bus” selected=”selected”>bus</option>**
* **</select>**
* **Select tag creates a menu on a form.**

**HTML Elements are divided in two types**

* **BLOCK elements**
* **INLINE elements**

**Block level elements**

* **Who behaves like blocks like <p> <h1> <div> <ul> <ol> <pre> <address>**
* **Block elements these elements always starts in new line & occupy full width of parent etc**
* **Block elements contains both inline and block elements.**

**Inline elements:**

* **Starts in the same line their width is equal to their content <b>**

**<i> <u> <strong> <em> <del> <time> <span> <a> <sup> <sub>.**

* **Html inline elements are elements are elements generally used inside block level etc. They doesn’t support width ,height & test align as are used inside line**
* **Only image tag supports the width and height**

**Html5 Features**

* **Html5 introduce no of new elements and attributes**

**New semantic elements:**

* **<header> <footer> <section>**

**The video & audio elements:**

* **Without resorting third party plugins these elements can embed on web page**

**New form controls:**

* **Calendar ,date ,time ,email ,url ,search**

**Canvas element:**

* **Canvas element for drawing :Here with the help of this program java Script you can write draw the 2-Dimentional drawings by using this canvas element**

**Better support for local offline storages:**

**Web Socket:**

* **A next generation bi-directional communication technology for web application**

**Geo location:**

* **Where exactly your there your physical location where exactly your place there is the help of Google map**

**Drag &Drop:**

* **Drag the item and put in another place**

**HTML5**

**Input elements:**

* **Input elements r Email ,URL ,number , range ,date pickers ,Search ,color.**

**Input type Email:**

* **The value of email field is automatically validated when the form is submitted**
* **Syntax: Email:<input type=”email” name=”user-email”/>**

**I/p type URL:**

* **Input field contain url address**
* **Syntax: Homepage:<input type=”url” name=user\_url”/>**

**Input-number:**

* **This field contains a number value**
* **Syntax:points:<input type=”number” name=”points min=”1” max=”10”/>**

**Input-range:**

* **Contain a value from a range of number**
* **Syntax:<input type=”range” name=”points” min=”1” max=”10”/>**

**Input type –date pickers :**

* **Date-date ,month ,year**
* **Month –month &year**
* **Week –week ,year**
* **Time –hours ,min**
* **Date :<input type=”date” name=”user-date”/>**
* **Input type-color:**
* **This input type will allow you to select a color from a color picker**
* **Eg : color: <input type=”color” name=”user-color”/>**

**Attributes in HTML5**

* **Attributes are not case sensitive**
* **Attributes only takes lower case letters ,attributes r elements**
* **<tag attribute=”value”>text content </tag>**
* **Attribute one used cant be repeat in same element**

**Attributes which we use in HTML5**

* **Auto complete, auto focus form form action form method height width list max min multiple placeholder required stop**
* **<tag name=”value”>**
* **Name=attribute**

**Form elements**

**1. Input elements:**

* **Eg : <input> name=”first name” type=”text”>**

**2 .<select> element {drop down list}**

* **Eg : <select name=”fruits”>**
* **<option value=”apple”>Apple</option>**
* **<option value=”apple1”>Apple1</option>**
* **<option value=”apple2”>Apple2</option>**
* **<option value=”apple3”>Apple3</option>**
* **</select>**
* **o/p:fruit**
* **apple1 apple2 apple3 apple shows in drop down list**

**3.<text area > element**

* **Here we can write multiple lines either in row r cols**
* **Eg :<text area name=”message” row=”10” cols=”30”> happy to stay every second</text area>**
* **o/p: address box it will represent**

**4.<button> element**

* **Eg:<button type=”button” onclick=”alert(“hello word”)>Click me</button>**

**5.<data list> element{list of predefined option}**

* **Eg :<form action=”/a.html”>**
* **<input list=”browser”>**
* **<data list id=”browser”>**
* **<option value=”IE”>**
* **<option value=”Fire fox”>**
* **<option value=”Opera”>**
* **</datalist>**
* **</form>**

**6.<output> element**

* **It represent the result of a calculation**

**HTML Elements:**

* **HTML doc are text files made up of elements**
* **These elements are defines using html tags**
* **Eg:<b> This text is bold</b>**
* **First :starting tag next :the content of html element is present next:end tag**

**Responsive web Design:**

* **A responsive website is one the a adapts to the screen size of the device where the website is being saved .so ,when the page is resize the layout adjust according to the fit of the screen**
* **RWD is a process of designing a single website to be used and compatible on different portable a hand electronic device**
* **Responsive websites offers**
* **-smooth navigation**
* **-easy reading**
* **-reduce scrolling**
* **-zooming**
* **-excellent use experience**

**Table tags**

* **Tables are used in html to show tabular data**
* **Tables are defined with <table>tag**
* **<tr>table row**
* **<th>head**
* **<td>data**

**Table features**

**1.Table with a caption**

* **<caption>My caption</caption>**

**2.Table cells that span more than one row /column**

* **<th col span=”2”>telephone</th>**
* **<th rowspan=”2”>telephone</th>**
* **Col span: if u want to merge 2 or more col into single col**
* **Row span:if u want to merge 2 or more rows**

**3.cell padding:gap inside table cells**

* **<table border=”1” cellpadding=”10”>**

**4.cell spacing**

* **Gap between table cells**
* **<table border=”1” cellspacing=”10”>**

**5.Table background**

* **Using bgcolor attribute{background color}**
* **Using background attribute{background image}**
* **Table height&width**
* **In terms of integer values**
* **{or}**
* **% of available screen area**
* **Eg :<table border =”1” width=”400” height=”150”>**

**Audio Tag:**

* **Non html5: browser plugins for audio or video**
* **Using html5:<video>&<audio>,browsers built in player**
* **Html <audio> element**
* **Eg :<audio controls>**
* **<source src =”horse.ogg” type=”audio/ogg”>**
* **<source src =”horse.mp3” type=”audio/mp3”>**
* **</audio>**

**Video tag:**

* **<video width=”320” height=”240” controls>**
* **<source src=”movie.mp4” type=”video/mp4”>**
* **<source src=”movie.ogg” type=”video/ogg”>**
* **</video>**

**<Video > autoplay**

* **Eg :<video width=”320” height=”240” autoplay>**

**3Supported audio formats**

* **Mp3**
* **Wav**
* **Ogg**

**Controls :**

* **Play pause open vol**

**HTML**

* **Common structure like header footer**
* **Cannot embedded video or audio directly &makes use of flashplayers**
* **It cannot handle in accurate syntax**
* **Traditional API’s which doesnot include canvas**

**HTML5**

* **New structure such as drop &drag**
* **Can contains embedded video&audio without using flash players**
* **Capable of handling in accurate syntax also**
* **Introduce many new API’s**

**<audio>**

* **Defines sound content**
* **<video>**
* **Defines a video or movie**
* **<source>**
* **Defines multiple media resources for <video> and <audio>**
* **<embed>**
* **Defines a container for an external application or interactive content**
* **<track>**
* **Defines text tracks for <video> and <audio>**
* **<datalist>**
* **Specifies a list of pre-defined option for input controls**
* **<keygen>**
* **Defines a key-pair generator field**
* **<output>**
* **Defines the result of a calculation**
* **<article>**
* **This element is used to define an independent piece of content in a document ,that may be a blog ,magazine or newspaper article**
* **<aside>**
* **It specifies that article is slightly related to the rest of the whole page**
* **<bdi>**
* **The bdi stands for bi-directional isolates a part of text that is formatted in other direction from the outside text document**
* **<data>**
* **It provides machine readable version of its data**
* **<datalist>**
* **It provides auto complete feature for textfield**
* **<dialog>**
* **It defines a window or a dialogbox**
* **<details>**
* **It specifies the additional information or controls required by user**
* **<figure>**
* **It defines a self-contained contant like photos ,diagrams etc**
* **<footer>**
* **It defines footer for a section**
* **<header>**
* **It defines header for a section**
* **<main>**
* **It defines the main content of document**
* **<mark>**
* **It specifies the marked or highlighted content**
* **<menuitem>**
* **It defines a command that the user can invoke from a popup menu**
* **<meter>**
* **It is used to measure the scalar value within a given range**
* **<nav>**
* **It is used to define the navigation link in document**
* **<progress>**
* **It specifies the progress of the task**
* **<section>**
* **It defines a section in the document**
* **<svg>**
* **It is used to display shapes**
* **<time>**
* **It is used to define time/date**
* **<wbr>**
* **It define a possible line break**
* **<command>**
* **Defines a command button that a user can invoke**

**Css3**

* **NEW FEATURES**
* **Rounded corners**
* **Border images**
* **Multi Background**
* **Gradient colors**
* **Shadowing**
* **2-D transform**
* **3-D transform**
* **Animation**
* **Rounded corners**