UI Technology:-

HTML/HTML5

CSS/CSS3

BOOTSTRAP

JAVASCRIPT

History Of HTML:-

It stand for Hyper text markup language.

It is used to create web page and web applications.

We can create a static website.

It is developed by Tim Berners Lee

Html1 1993

Html2 1995November

Html3 January 1997

Html December !997

Html5 October 2014

Html Tags:-

It is used to create html program/documents and render properties. Every tag in html perform different task.

Types of tag:-

1. Self cosing tag.
2. Closing tag(Container tag)
3. Sytanx of Self Closing tag:

<………../> or <………..>

<tagename/> or <tagname>

Examples:-

<link/>

<br>

<base>

1. Closing Tag(Container Tag)

Syntax:-

<….>……………………..</…>

<tagname>…Contant</….>

Example:-

<h1>Hello</h1>

<div><p>I am a good boy</p></div>

Basic Layout of html program.

<html>

<head>

.

.

Head Section block.

.

</head>

<body>

.

Body Section Block.

.

</body>

</html>

Structure of html program divided into two section block.

1. Head Section block
2. Body section block

Head section contains 8 tags.

1. Title tag <title>……….</title>
2. Link tag <link>
3. Style tag <style>………..</style>
4. Script tag <script>……….</script>
5. Noscript tag <noscript>…………</noscript>
6. Meta tag <meta>
7. Base tag <base>
8. Command tag <command>……….</command>

Save program in html extension.

1. Filename.html
2. Filename.htm (extension for html5)

How to write multiline comment in html.

<!—Write comment line-->

Text tag:-

1. <p>………</p>
2. <h1>………..</h1>
3. <h2>………..</h2>
4. <h3>………..</h3>
5. <h4>………..</h4>
6. <h5>………..</h5>
7. <h6>………..</h6>
8. <i>……..</i>
9. <u>………….</u>
10. <span>……………</span>
11. <label>…………….</label>
12. <marquee>…………….</marquee>
13. <pre>……….</pre>

Attribute Property:-

AttributeName=AttributeValue

Example:-

<link href=”………”>

Marquee Tag:-

<marquee>………</marquee>

Attribute Property:-

1. Direction=”……..”
2. Behavior=”alternate”
3. Scrollamount=”…….”
4. Onmouseover=”stop()”
5. Onmouseout=”start()”
6. Height=”……”
7. Width=”……”

Image Tag:-

<img src=”….” Alt=”….” Height=”…” width=”……”>

Type of list:-

Ordered List/No list:-

<ol>

<li>……</li>

<li>……</li>

</ol>

Attribute Property:-

Type=”….”

Start=”…”

Unorderd List/Bulleted List:-

<ul>

<li>……</li>

<li>……</li>

</ul>

Discription List:-

<dl>

<dt>…</dt>(description terms)

<dd>……..</dd>(description def.)

</dl>

Nested List:-

<ol>

<li>….</li>

<li>Second List

<ol>

<li>….</li>

</ol>

Anchor Tag:-

<a href=”…. url….” Target=”blank”>…</a>

<sub>……..</sub>

<sup>…….</sup>

Table Tag:-

<table>…..</table>

<tr>……</tr>

<th>…..</th>

<td>…..</td>

Syntax Table:-

<table>

<tr>

<th>……</th>

</tr>

<tr>

<td>…….</td>

.

.

<td>……..</td>

</tr>

</table>

Attribute:-

Border=”…..”

Bgcolor=”……”

Background=”…..” apply of background image

Cellpadding=”……” use of text space

Cellspacing=”….” Use of cell space

Rowspan=”….” Merge of rows

Colspan=”…..” merge of columns

Form Tag:-

<form>……</form>

<input>

<button>….</button>

<select>……</select>

<option>…..</option>

<span>……</span>

<label>….</label>

<textarea>…..</textarea>

Types of Button:-

1. Submit Button (Save Record)
2. Reset Button (Clear Record)
3. Dummy Button (Skip Button,No,Allow)

Submit Button:-

<button type=”submit”>Record Save</button>

<input type=”submit” value=”Record Save”>

Reset Button:-

<button type=”reset”>Clear Data</button>

<input type=”button” value=”Clear Data”>

Dummy Button:-

<button type=”button”>Dummy</button>

<input type=”button” value=”Dummy”>

Input Controls:-

<input type=”text”>

<input type=”Number”>

<input type=”email”>

<input type=”password”>

<input type=”date”>

<input type=”time ”>

<input type=”month”>

<input type=”week”>

<input type=”year”>

<input type=”datetime”>

<input type=”radiobutton”>

<input type=”checkbox”>

<input type=”submit”>

<input type=”reset”>

<input type=”range”>

<input type=”hidden”>

<input type=”color”>

<input type=”file”>

<select>

<option>….</option>

</select>

Form Attribute:-

1. Maxlength=”…….” (maximum length)
2. Value=”….” Use of static value save
3. Name=”…” calling of server
4. Action=”…” calling of url
5. <form action=”……” method=”…….” Enctype=”….”>
6. </form>
7. Method=”post/get”
8. Enctype=”multipart/form-data” (used of file attribute)
9. Placeholder=”……” text sadow
10. Rows=”..” merge of rows
11. Cols=”….” Merge of columns
12. Required=”…” used of validitation

HTML 5 :- version 2014

<header>……</header>

<section>……</section>

<footer>…….</footer>

<main>……</main>

<strike>……..</strike>

<del>………</del>

<details>…….</details>

<option>

<summary>……</summary>

<mark>……..</mark>

<sub>…..</sub>

<sup>……</sup>

<video>…..</video>

<audio>…….</audio>

<progress>……</progress>

<datalist>……</datalist>

<fieldset>…..</fieldset>

<legend>……</legend>

<iframe>…</iframe>

<frameset>…</frameset>

<frame>

<colgroup>…</colgroup>

<col>

<nav>….</nav>

Syntax:-

<iframe src=”..” height=”..” width=”..”></iframe>

<fieldset>

<legend>…..</legend>

<form>

</form>

</fieldset>

Details Tag

<details>

<summary>…….</summary>

<p>…..</p>

</details>

Dropdown List

<input type=”text” placeholder=”…” list=”..”>

<datalist>

<option value=””>

</option>

<option value=””>

</datalist>

<frameset cols=””>

<frame src=””>

<frame src=””>

</frameset>

CSS

1. <div>….</div> calling css properties
2. <canvas>…</canvas> advanced css calling with graphics

Css:-

Stands for cascading style sheet.

Css is used to design html tags.

You can add new look to your html programs.

Types of CSS:-

1. Inline css
2. Internal css
3. External css

Inline css:-

It is the write code in same line with help of style attribute property in html tag.

Ex.

<p style=”….;…..;…;”>….</p>

Text CSS Property:-

1. Color:….
2. Font-size:…
3. Text-align:center;
4. Font-family:…;
5. Text-shadow:…

Div Tag:-

1. Height:…;
2. Width:…;
3. Border property:
4. Border:2px solid green;
5. Border: solid;
6. Border: dashed;
7. Border: ridge;

Side Border:-

Border-left:….;

Border-right:…;

Border-top:…;

Border-bottom:….;

Background Property:

1. Background:…; background color image
2. Background-color:..; color in background
3. Background-image: url(‘….’); background image
4. Background-repeat:no-repeat;
5. Background-size:….;
6. Background-position:….;
7. Background-attachment:fixed;

Side sifting:-

Float:left;

Float:right;

CSS stands for cascading style sheets. CSS is used to design html tags.

You can add new looks to your old html programs.

Types of css:

Inline CSS

Internal CSS

External CSS

1. Inline CSS:- Inline CSS is the write code in same line with help of style attribute property in html tag.

Ex:-

<p style ="....;.......;.....">.......</p>

=========================

Text CSS property:-

Color : ...…...…"

Font-size : ....…...."

Text-align: center;

font-family : ..........

text-shadow : .........

Div property:-

Height : .........;

Width : ............;

Border Property:-

Border: 4px solid green;

border : ......... solid .........;

border : ..........dashed ......;

border : ...........dotted ......;

border : ............ridge........;

Side border:-

border-left : ....... solid ......;

border-right : .......solid.....;

border-top : ..........solid......;

border-bottom : .......solid......;

Background property:-

background :........; (apply of background color)

background-color : .......;

background-image : url('......'); (apply of background image)

background-repeat : no-repeat;

background-size : cover;

background-position : ........;

background-attachment : fixed;

Side shifting:-

Float:left;

Float:right;

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Selector:-

Selector which are identify any tag of html some symbols used of in selector like as #,.,\*;

Types of selector:-

-------------------------

Id selector

Class selector

Element selector

Group selector

Universal selector

=================

Syntax of Id Selector:

#Selector Name

{

.

. Write css code

.

}

2. Syntax of Class Selector

. Selector name

{

.

. write css code

.

}

3. Syntax of Element Selector:

Tagname

{

.

. write css code

.

}

4. Syntax of group selector

Tagname, tqgname, tagname

{

.

. write css code

.

}

5. Universal selector:

\*

{

.

. write css code

.

}

Internal css:

Internal css it the write code in same html webpage with the help of style tag in head section block.

Example

<html>

<head>

<style>

.

. write internal css

.

</style>

</head>

<body>

.

. apply of css

.

</body>

</html>

Border-radius:-

Border-radius: .........;

Border-radius: 50px;

Border-radius: 50cm;

Border-radius: 50%;

Border-radius: ......... ...... .......;

Margin property:

margin-left: .........;

margin-right: ........;

margin-top: ...........;

-------------------------------

Padding property:-

padding : .........;

padding-left : ..........;

padding-right : .........;

padding-too : .........;

Bootstrap

Bootstrap is the popular html /css and javascript framework for developed a responsive and mobile friendly website

Bootstrap is a collection of classes

Developed by Mark Otto and Jacob Thornton in year 2010 name of

Twitter Blueprint

Rename in2011 Bootstrap

Basic layout of container class

1. Container
2. Container-fluid

Calling of bootstrap

Ex.

<html>

<head>

<link href=”library link” rel=”stylesheet” >

</head>

<body>

<div class=”container”>

<div>

</body>

</html>

Bootstrap Row:

Bootstap rows devided into 12 columns

Device for Bootstap classes:

1. Class=”col-xl-12” (Extra large device)
2. Class=”col-lg-12” (large device)
3. Class=”col-md-12” (medium)
4. Class=”col-sm-12” (small)

Ex.

<html>

<head>

<link href=”css/bootstrap.min.css” rel=”stylesheet”>

</head>

<body>

<div class=”container”>

<div class=”row”>

<div class=”col-md-12”>

</div>

</div>

</div>

</body>

</html>

Bootstrap image classes

1. Class=”img img-rounded”
2. Class=”img img-circle”
3. Classs=”img img-responsive”
4. Class=”img img-thumbnail”
5. Class=”img img-fluid”

Hover Effects

1. Class=”hvr-pop”
2. Class=”hvr-pulse”
3. Class=”hvr-buzz”
4. Class=”hvr-float”

Table Bootstrap class

1. Class=”table”
2. Class=”table table-bordered”
3. Class=”table table-hover”
4. Class=” table table-striped”

Glyphicon icons:

Class=”glyphicon glyphicon-user”

Class=”glyphicon glyphicon-facebook”

Class=”glyphicon glyphicon-phone”

Fa Fa Icons:

Class=”fa fa-youtube”

Class=”fa fa-instagram”

Form Classses:

1. Class=”form-control”

Button Class:

1. Class=”btn btn-success”
2. Class=”btn btn-danger”
3. Class=”btn btn-default”
4. Class=”btn btn-warning”