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# HTML INTRODUCTION

# HTML Is the HyperText Markup Language

# Webpage is the document that is found in the world wide web and it is created by HTML

# Website is the interconnection of webpages

The HTML editors are software that is used to create/make up the webpage there are so many text editors but some of them are following

* Notepad
* Visual Studio Code
* Notepad++
* Text edit
* Sublime text editor
* ATOM
* Brackets

also, there is the text editor for android app some of them are following

* Quoda
* Quick edit
* Droid editor
* Dcoder
* HTML editor

HTML have the common tags in creating webpage

The following are common tags for HTML

<!DOCTYPE html>

<html>

<head><title>title for webpage</title></head>

<body>contents</body>

</html>

Specification of common Html tags

**<html></html>:**Specifies the starting of webpage

**<head><head>:**Specifies the head of the webpage

**<title></title>:**specifies the title of the webpage

**<body></body>:**Specifies the place where the webpage contents/theme of the webpage is entered/typed

# SAVING THE FILES

You need to save your HTML files with the .html file extension

## how to save the HTML file

after writing the code follow the following steps

1. click on file
2. click on save as
3. choose your favorite place you want to put file to be appear
4. Write the file name and then type .html

**Note; If**  you use notepad you should set all files in save as type

 the webpage will appear with web browser in the area where you choose

**Another simple way of saving files**

**Your should press ctrl+s and then save your file as it is needed**

by following the following steps your file will be appear in your favorite place with the symbol of the internet browser  
**note;**  
if you don't save your file with the **.html** file extension. You won't be able to run it on browser

formular for saving the html file  
**the file name.html**

## **How to reload your changes in text editor**

if your make the changes on your text editor the changes will not be seen in the browser but there are steps to follow in order to make the changes to be seen in the browser Those steps are following

1. click on file
2. click on save
3. close the text editor/minimize the text editor
4. open the html document with internet browser
5. click on the reload

 running symbol on the browser

By doing that you will see the changes you make on the text editor

**HTML PARAGRAPH**

Paragraph tag is used to make the paragraph

The paragraph tags are written inside the body tag

The **<p>** element represents the html paragraph

In the paragraph tag you can add number in front of the **p** in order to be easily to identify the number of paragraphs. The paragraph tag has an ending tag **</p>**

**formular**

<p(number of paragraph)>text</p>

**HTML CODE PROGRAMMING**  
<!DOCTYPE html>

<html>

<head>code programming

<title>programming technical</title>

</head><body><br>

<p1> I am first paragraph in th body tag</p>

<p2> I am second paragraph in th body tag</p>

<p3> I am third paragraph in th body tag</p>

<p4> I am fourth paragraph in th body tag</p>

</body></html>

**OUTPUT**

|  |
| --- |
| **paragraph.JPG** |

**HTML HEADS**

Heads tags are used to judge the size of the text  
there are six types of the heads which are

1. <h1>
2. <h2>
3. <h3>
4. <h4>
5. <h5>
6. <h6>

the size of the text is depending on the number of the head tag  
  
the head programming principle  
the small value of the number of head tags the great the of the text and the great value of number of head tag the small the size of the text  
  
the formular for head tag  
<h(number from 1-6)>

**HTML CODES**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body>  
<h1>i am heading one </h1>  
<h2>i am heading two</h2>  
<h3>i am heading three</h3>  
<h4>i am heading four</h4>  
<h5>i am heading five</h5>  
<h6>i am heading six</h6>  
</body></html>

**OUTPUT**

|  |
| --- |
|  |

# HTML LINE BREAKING

# In html there is two types of cutting line

# Single line breaking

# multiple lines breaking

# 

# Single line breaking

# We use <br> tag to cut a single line on the webpages

# Single line breaking tag has no ending tag hence it cut just a single line in the webpage

# So, where we place our <br> it is where the line will be cut of in the webpage

**HTML CODE PROGRAMMING**  
<!DOCTYPE html>

<html>

<head>code programming

<title>programming technical</title>

</head><body><br>

Pronic Tech association <br>is the association of innovators students especially in science <br>and technology

</body></html>

**OUTPUT**

|  |
| --- |
| code programming Pronic Tech association is the association of innovators students especially in science and technology |

# Multiple line breaking

# In the webpages we can break/cut a multiple line through <pre>

# Hence it cuts multiple lines so we need to identify the end of cutting lines by

# Using end tag of </pre> which means the end of cutting lines

# Multiple line breaking tag allowing appearance of words in webpage as words are written

# In the text editor

# Using of <pre> tag makes words to appear in monospace fonts

**HTML CODE PROGRAMMING**  
<!DOCTYPE html>

<html>

<head>code programming

<title>programming technical</title>

</head><body><pre>

Pronic Tech association

is the association of innovators

students especially in science

and technology

</pre>

</body></html>

**OUTPUT**

|  |
| --- |
| code programming  Pronic Tech association  is the association of innovators  students especially in science  and technology |

# HTML TEXT-FORMATTING

Formatting text is very essential for webpage It makes the webpage text to be more presentable

## Element of formatting text

**<b>**

It is the tag that is used to bold the text

**<i>**

It is the tag that is used to make the words (characters) to bend forward

**<u>**

It is the tag that is used to make the text to be underline

**<code>**

It is used to represent the computer code in the web page (the characters will be moonscape)

**<tt>**

It is the tag that is used to make the words as typewriter

**<small>**

It is the tag that is used to make the words small

**<em>**

Emphasizes a text. May be italicized depend on the web browser

**<q>**

emqiotes a text

**<s>**

It is the tag that makes the line to pass through characters

**<sub >**

It is the tag that is used to make the word to appear below the line of a text

**<sup>**

It is the tag that is used to make the word to appear above the line of a text

**HTML CODE PROGRAMMING**

<!DOCTYPE html><html>

<head>code programming

<title>programming technical

</title></head><body>

<b>I am a bolded text. </b><br>

<i> I am an italic text</i><br >

<u> I am an underlined text.</u><br>

<code> I am a code text.</code><br>

<tt> I am a typewriter text.</tt><br>

<small>I am a small text.</small><br>

<em>I am a an emphsized text.</em> <br>

<strong> I am a strong text</strong><br>

<mark> I am a marked text.</mark><br>

<q> I am an enquoted text.</q><br>

<s> I am a striked text.</s><br>

I am a <sup>superscripted text</sup><br>

I am a <sub>subscripted text</sub><br>

<b><i><u><mark><code><q><sub><s>I am a</sub> mixed formatted<sup> text.</sup> </q></mark> </u> </i> </b>

</body><br>

</html>

**OUTPUT**

|  |
| --- |
| text formatting.JPG |

**HTML HORIZONTAL RULE**

horizontal rule renders a line in a webpage  
The <hr> element represent HTML horizontal ruler

and it has no ending tag

where <hr> tag will be putted it is where the line will appear

**HTML CODE PROGRAMMING**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head>  
<body>  
<p1>i am the first paragraph with the horizontal rule </p>  
<hr >  
<p2>i am the second paragraph with the horizontal rule </p>  
<hr>  
</body>  
</html>

**OUTPUT**

|  |
| --- |
| code programming i am the first paragraph with the horizontal rule  i am the second paragraph with the horizontal rule |

# HTMLCOLOUR

Html color defines colour that we see on web pages

**HOW COLOUR CAN BE REPRESENTED**

Html color can be represented in three forms by using its

**Colour name**

It defines any valid color by identify the colour name e.g.

-red so the color will appear red in the webpage

- green so the color will appear green in the webpage

**RGB colour value**

It defines any colour by entering the numbers which represents the intensity of colour

**RGB** is the short form of the following colour

* Red
* Green
* Blue

In this form of representation of colour other colour different from those three colour redgreenblue they are formed through the mixture of those three colour e.g.

* Red+blue=magenta
* Blue+green=cyan

**RGB** color intensity is identified by numbers from 0-125  
the number show the intensity of the colour in mixture of all three colour

**Note;** the numbers must be inside the brackets **formula for represent the RGB colour**

<colour section name=”(RRR,GGG,BBB)”>

**KEY**

* **RRR; intensity value of red colour**
* **GGG; intensity value of green colour**
* **BBB; intensity colour of blue colour**

**HEX color value**

It defines the colour by using numbers and letters which represent the intensity of colour

The numbers and letter represent the color intensity of red, green and blue colours

**The system of using number an letters**

* Numbers are used from 0-9
* letters are used from a –f

Other colours can be represented by using the mixture of those three colours by representing the three colours intensity by using numbers and letters

Examples

* blue =#0000ff
* cyan=#00ffff

**THE COLOURED SECTIONS**

In this section we will learn two coloured sections

* **webpage colour**
* **font colour**

**WEBPAGE COLOUR**

The webpage can be coloured by using the HTML code

The tag for colouring the webpage can be written anywhere before the HTML closing tag

The tag that is used to colour the webpage is <body bgcolor=”colour name/value”>

**Note;** the webpage colouring tag is written inside the body tag there is no need to write the word body because the body tag also will take part as the tag for colour so you can write <bgcolor>

* **FONT COLOUR**

The words I the webpage also can be coloured by using html code

The code that is used to colour the characters in the webpage is<font color=” colour name/values”>

The font color has a closing tag</font color>the text inside the font color tag will be appear with the colour that is written in the starting tag of font colour

**HTML colour code programming**  
<!DOCTYPE html>

<html>

<head>Code programming

<title>programming technical</title><head>

<body bgcolor=”#000”><font color=”white”>

Background colour is set as black color with white font colour<br>

On how font colour is applied you will study on the next stage

</font>

</body></html>

**OUTPUT**

Code programming

Background colour is set as black color with white font colour

On how font colour is applied you will study on the next stage

**HTML colour code programming**  
<!DOCTYPE html>  
<html>  
<head>Code programming  
<title>programming technical</title><head>  
<body><b>font color by name </b>  
<font color="red"><br>  
I am the red coloured text</font color> <b>font color by rgb value </b>  
<font color="rgb(255,0,0)"> <br>  
i am the red coloured text</font color>  
<b>font color by hex color value </b>  
<font color="#ff0000"><br>  
i am the red coloured text  
</font color><br>

</body></html>

**OUTPUT**

|  |
| --- |
| Code programming **font color by name** i am the red coloured text  **font color by rgb value** i am the red coloured text  **font color by hex color value** i am the red coloured text |

# HTML LIST the<list> element used to identify the listed items The text inside the <li> element the browser will considering it as the listed item

# In web page the categories can be listed in three forms which are

1. Order list
2. Unorder list
3. Definition list

## Order list is the arrangement of categories by numbering The <ol> element represent the order list

## THE ORDER LIST ATTRIBUTES

**type**

Is the attribute that is used to identify the type numbering

**start**

Is the attribute that is used to identify the starting point of numbering type

**note;** The listed items should be in the list tag

**HTML CODE PROGRAMMING**

<!DOCTYPE html><html>

<head>code programming

<title>programming technical</title>

</head><body><br><b>ORDER LIST</b>

<ol type="A" start="A">

<li>i am the first order list</li>

<li> am the second order list</li></ol>

<ol type="1" start="90">

<li>i am the first order list</li>

<li> am the second order list</li>

</ol></body></html>

**OUTPUT**

|  |
| --- |
|  |

## Unordered list is the arrangement of items by using bullets The <ul> element is used to represent the unordered list The type attribute is used to specify the type of bullet example circle

**HTML CODE PROGRAMMING**  
<!DOCTYPE html><html>

<head>code programming

<title>programming technical

</title></head><body><br>

<b>unorder list</b>

<ul type="circle" ><li>iam the first unodered list</li>

<li>i am the second unordered list</li></ul><ul type="square" >

<li>iam the first unodered list</li>

<li>i am the second unordered list</li></ul></body></html>

**OUTPUT**

|  |
| --- |
|  |

## Definition list Is the arrangement of items in form of glossary

## The <dl> define the define the definition list

In definition list the following tags are used for different purpose

<dl>

identify the definition list

<dt>

identity the defined term

<dd>

identify defined data of defined term

**note**; In definition list the list tag will not be used but it used <dd><dt> to replace the purpose of the list tag

**HTML CODE PROGRAMMING**<!DOCTYPE html><html>

<head>code programming

<title><!DOCTYPE html>

programming technical

</title></head><body><br>

<b>definition list</b><dl>

<dt>defined term</dt>

<dd>i am the first Definition data of defined term</dd><br>

<dt>COMPUTER</dt>

<dd>Is the electronic machine that input data and output information </dd></dl></body></html>

**OUTPUT**

|  |
| --- |
|  |

## HTML MARQUEE

An HTML marquee is a scrolling piece of text displayed either horizontally across or vertically down or up the web page depending on the settings. Normal marquee text flow from right to left

The marquee tag has the it's attributes in order to make it more presentable  
**formular**<marquee attribute name="attribute value"..............more attribute> marquee text</marquee>

**EXAMPLE OF NORMAL MARQUEE TEXT**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body>  
<marquee>  
I am the marquee text  
</marquee>  
</body></html>

# OUTPUT

|  |
| --- |
| code programmingI am a marquee text |

## HTML marquee attributes

**width**

This is an attribute that control the starting point of marquee text in the web page. The width attribute value can be in form of percentage or pixels scale

**HTML CODE PROGRAMMING**

# <!DOCTYPE html><html>

# <head>code programming

# <title>programming technical

# </title></head>

# <body><br>

# <b>marquee text with width attribute</b><br>

# <marquee width="50%">

# i am a marquee text

# </marquee><br>

# <marquee width="200px">

# i am a marquee text

# </marquee></body></html>

# OUTPUT

|  |
| --- |
| code programming marquee with width attribute  i am a marquee text i am a marquee text |

**height**

This is an attribute that control the

From marquee text its self-downward the web page. The height attribute value is represented in pixels scale

**HTML CODE PROGRAMMING**

# <!DOCTYPE html><html>

# <head>code programming<br>

# <title>programming technical

# </title></head><body>

# <b>marquee height attribute</b>

# <marquee height="27px">

# i am the marquee text</marquee>

# <marquee height="28px">

# i am the marquee text

# </marquee></body></html>

# OUTPUT

|  |
| --- |
| code programming  **marquee with height attribute** i am the marquee texti am the marquee text |

**direction**

this specifies the direction in which marquee text should scroll(flow)  
**the direction values**

* **up;**
* the marquee text will scroll from

down to up

* **down;**
* the marquee text will scroll from down to up
* **right;**
* the marquee text will scroll left to right
* **left;**
* the marquee text will scroll from right to left

**HTML CODE PROGRAMMING**

# <!DOCTYPE html><html>

# <head>code programming

# <title>programming technical</title>

# </head><body>

# <b>marquee with direction

# attribute</b>

# <marquee direction="right">

# i am the marquee text</marquee>

# <marquee direction="left">

# i am the marquee text</marquee>

# <marquee direction="down">

# i am the marquee text</marquee>

# <marquee direction="up">

# i am the marquee text</marquee>

# </body></html>

# OUTPUT

|  |
| --- |
| code programming  **marquee with direction attribute** i am the marquee texti am the marquee texti am the marquee texti am the marquee text |

**behavior**

this specifies the type of scrolling of the marquee text.

**The behavior values**

* **scroll**
* The marquee text will flow forever towards the selected direction
* **slide**
* The marquee text will flow once towards the selected direction
* **alternate**
* The marquee text will flow forever towards the selected direction and turn back from where it starts to flow

**HTML CODE PROGRAMMING**

# <!DOCTYPE html><html>

# <head>code programming<br>

# <title>programming technical</title>

# </head><body>

# <b>marquee with behavior

# attribute</b>

# <marquee behavior="scroll">

# i am the marquee text</marquee>

# <marquee behavior="slide">

# i am the marquee text</marquee>

# <marquee behavior="alternate">

# i am the marquee text</marquee>

# </body></html>

# OUTPUT

|  |
| --- |
| code programming **marquee with behavior attribute**  i am the marquee text  i am the marquee text  i am the marquee text |

**scrolldelay**

This specifies the time to delay between each jump. The unit of scroll delay is milliseconds

1ms=1000s

Scrolldelay=one-word per milliseconds

**HTML CODE PROGRAMMING**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical</title>  
</head><body>  
<b>marquee scrolldelay attribute</b>  
<marquee scrolldelay="2000">  
i am the marquee text</marquee>  
<marquee scrolldelay="500">  
i am the marquee text  
</marquee>  
</body></html>

**OUTPUT**

|  |
| --- |
| code programming  **marquee with height attribute** i am the marquee texti am the marquee text |

**scrollamount**

This specifies the speed of the marquee text. This can have the value like 10

**HTML CODE PROGRMMING**

<!DOCTYPE html><html>  
<head>code programming<br>  
<title>programming technical  
</title></head><body>  
<b>marquee scrollamount attribute</b>  
<marquee scrollamount="90">  
i am the marquee text</marquee>  
<marquee scrollamount="50">  
i am the marquee text  
</marquee>  
</body>  
</html>

# OUTPUT

|  |
| --- |
| code programming  **marquee with height attribute** i am the marquee texti am the marquee text |

**loop**

This specifies how many times the marquee text should flow.

In order to make a loop in the marquee text you must put the number with t to represent times

Example;<marquee loop=”2t”>so the text will flow two times  
the default value is  
**infinite;** which means that marquee text will flow (scroll) forever

**HTML CODE PROGRAMMING**

# <!DOCTYPE html>

# <html>

# <head>code programming<BR>

# <title>programming technical

# </title>

# </head>

# <body>

# <b>marquee loop attribute</b>

# <marquee loop="infinity">

# i am the marquee text

# </marquee>

# <marquee loop="5t">

# i am the marquee text

# </marquee></body></html>

# OUTPUT

|  |
| --- |
| code programming  **marquee with height attribute** i am the marquee text5times i am the marquee text |

**bgcolor**

This specifies the background color of the marquee text

**HTML CODE PROGRAMMING**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body>  
<b>marquee bgcolor attribute</b>  
<marquee bgcolor="blue%">  
i am the marquee text</marquee>  
<marquee bgcolor="red">  
i am the marquee text  
</marquee>  
</body></html>

# OUTPUT

|  |
| --- |
| code programming  **marquee with height attribute** i am the marquee texti am the marquee text |

**hspace**

This specifies the horizontal space(distance) around the marquee text. the hspace attribute value represented in percentage form or in pixels scale

**HTML CODE PROGRAMMING**

<!DOCTYPE html>  
<html>  
<head>code programming  
<title>programming technical  
</title>  
</head>  
<body>  
<b>marquee hspace attribute</b>  
<marquee hspace="50%">  
i am the marquee text</marquee>  
<marquee hspace="20px">  
i am the marquee text  
</marquee></body></html>

# OUTPUT

|  |
| --- |
| code programming  **marquee with height attribute** i am the marquee texti am the marquee text |

**vspace**

this specifies the vertical space around the marquee text. The vspace attribute value can be represented in percentage form

**HTML CODE PROGRAMMING**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body>  
<b>marquee vspace attribute</b>  
<marquee vspace="20%">  
i am the marquee text</marquee>  
<marquee vspace="50">  
i am the marquee text  
</marquee></body></html>

OUTPUT

|  |
| --- |
| code programming  **marquee with height attribute** i am the marquee texti am the marquee text |

**INSERTION OF MEDIAS IN WEBPAGE THROUGH HTML**

Media that can be inserted in the webpage through HTML language are

* Images
* Videos
* Audios

**INSERTION OF IMAGES**

Images in a website help to be more attractive for visitors and help them to understand well through images  
To put an image we simply need use the <img> tag with src attribute

**THE HTML IMAGES ATTRIBUTE**

**src**

Define the images’ URL or file path

**alt**

Provide an alternative text for an image if the image will not be displayed in the webpage.

Sometimes the image may not load on the user’s browser because of slow connection, slow server, image is deleted on the directory or wrong URL value specified in the src attribute

width

Defines the width of the image. It is advices to use percentage values in the width of images in order to allow the image to be response in any device’s width

height

Define the height of the image

**HTML CODE PROGRAMMING**

<!DOCTYPE html>

<html>

<head>code programming

<title>programming technical

</title></head>

<body><br>

The text in the alt will not displayed<br> because the image is displayed in the web page

<img src="pikipiki.jpg" alt="motorcycle picture" width=”20%”><br>The image below does not display in the web browser <br>

and when you put alt attribute with a short text it will display<br>

<img src="pikipik.jpg" alt="motorcycle picture"></body></html>

**OUTPUT**

|  |
| --- |
|  |

**HTML AUDIO**

Html audio in this section we will study about on how to insert/put the audio from your device to the webpage

In order to insert audio in webpage you need to use <audio>

**AUDIO ATTRIBUTES**

autoplay

If s0ecified,the embed audio will automatically begin to play as soon as possible

controls

If specified, the embedded audio will have controls provided by the browser

loop

If specified, the embedded audio will play forever<="" dd="">

muted

If the specified, the embedded audio will play without sound

src

It specifies a file path that points to the audio

**HTML CODES PROGRAMMING**

<!DOCTYPE html><html>

<head>Code programming

<title>programming technical</title>

</head><body>

<audio src=”living.mp3” controls>

</audio>

</body>

</html>

**OUTPUT**

|  |
| --- |
| Code programming |

**HTML VIDEO**

To enter the video in web page we use <video> with src attribute   
You can specify a text inside the video element that will be shown as a fallback in browsers that don't support embedded videos

**VIDEO ATTRIBUTES**

**autoplay**

It controls specified embedded video to be play automatically

**controls**

It commands the browser to provide the controls key for the embedded video

**loop**

It specified, the embedded video will play over and over again in an endless loop

**muted**

it specified, the embedded video will play without sound(muted)

**poster**

It specifies a file path that points to an image file that will be shown while the file is downloading

**src**

It specifies the file path that points to be video file

**width**

It specifies the width of the embedded video to display in the web page it can be either in percentage or pixels

**height**

It specifies the height of the embedded video to display in the web page

**HTML CODE PROGRAMMING**

<!DOCTYPE html>

<html>

<head>Code programming

<title>programming technical</title>

</head>

<body>

<video type="video/mp4" controls width="100%" height="300px" src="Living Hope.mp4" alt="alert">

</video>

</body>

</html>

**OUTPUT**

|  |
| --- |
|  |

**HTML you Tubes videos**

how to embed the YouTube video and embed the video on webpage

1. create the YouTube channel with any google account
2. upload the video that we want to add to our website
3. embed the video to our website
4. click share
5. click embed
6. copy the code from the box that appears
7. paste the code to your HTML code

# HTML TABLE

Is the representation of the data/information in column and rows.  
The **<table>** element represents an HTML table.

**NOTE;** the data in the table are entered in form of row that’s why in any case of entering data /information in the table all data /information should be inside the **<tr>** tag

## HTML table elements

**<thead>**

It is the tag that consists the data/information that are entered at the top of the table rows

**<tbody>**

It is the tag that consists the data/information that are entered as the expression of the table head

**<tfooter>**

It is the tag that consists the data/information that are entered at the bottom of the table rows

**<tr>**

It is tag that is used to entire data/information in the table

**<colspan>**

It is the tag that is used to specify how many columns should be merged(spanned)

**<th>**

It is the tag that is used to specify the data/information that are entered in the header of the table

**<td>**

It is the tag that is used to specify the

data /information as the expression of header columns of a table.

**<rowspan>**

It is the tag that is used to specify how many rows should be merged(spanned)

**<colgroup>**

It is the tag that is used to select group of one or more columns that should have specific characteristics in the table

**<col>**

It is the tag that is inside the colgroup tag which specify the properties of the colgroud

**<caption>**

It the tag that used to put the text as the head of the whole table

## HTML Table attributes

**align**

It is the attribute that is used to make to have specified side to be appear in the browser

**bgcolor**

It is the attribute that control the background colour of the table

**border**

It is an attribute that is used to control the size of the border

**cellpadding**

is used to control the size of the cell in a table

**frame**

It is used to control the outside border lines

**Values of the frame**

* **above**
* The border line will appear only above (top) the table
* **below**
* The border line will appear only at the bottom of the table
* **vsides**
* The border line will appear only in vertically sides
* **hsides**
* The border line will appear only in horizontally sides
* **Box**
* The border lines will appear in all sides
* **rules**
* t is used to control the border lines inside the table

**Values of the rules**

* **cols**
* The border lines will appear between columns
* **rows**
* The border lines will appear between rows
* **all**
* The border lines will appear between columns and rows

**summary**

Defines an alternative text that summarizes the content of the table

**width**

It is an attribute that is used to control the width of the table .It can be in form of pixels o percentage

**border-collapse with value of “collapse”**

It is used to rid of the cell border

**border-spacing**

Is used to control the between the border

**HTML TABLE CODE PROGRAMMING**

1. **NORMAL TABLE**

<!DOCTYPE html><html>

<head> CODE PROGRAMMING

<title>programming technical</title>

</head><body >

<table>

<thead><tr>

<th> First Name </th>

<th> Last Name </th></tr>

</thead>

<tbody><tr>

<td>JACKSON </td>

<td>JUMA</td></tr>

</tbody>

<tfoot><tr>

<td>BAKARI</td>

<td> BARAKA </td></tr>

</tfoot></table><br>

</body></html>

**OUTPUT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CODE PROGRAMMING   | **First Name** | **Last Name** | | --- | --- | | JACKSON | JUMA | | BAKARI | BARAKA | |

**2.TABLE WITH COLGROUP**

<!DOCTYPE html>

<html>

<head>CODE PROGRAMMING

<title>programming technical

</title></head>

<body ><table style="background-color: silver; width: 50%; border: 2px solid black">

<colgroup>

<col style="background-color: yellow">

<col style="background-color: white">

<col style="background-color: red">

</colgroup><thead>

<tr>

<th> FIRST NAME </th>

<th> LAST NAME </th>

<th> CLUB </th>

</tr>

</thead>

<tbody>

<tr>

<td> JOHN </td>

<td> JOHUA </td>

<td> FEMA </td>

</tr>

<tr>

<td> ISACK </td>

<td> ABDUL </td>

<td> ICS </td>

</tr>

</tbody>table>

</body></html>

**OUTPUT**

|  |
| --- |
| Capture1.JPG |

**3.TABLE WITH COL AND ROW SPAN**

<!DOCTYPE html>

<html>

<head>CODE PROGRAMMING

<title>programming technical

</title></head>

<body ><table border="2px">

<tr>

<th colspan="4"> CLUB RECORDS</th>

</tr>

<tr>

<th> FIRST NAME </th>

<th> LAST NAME </th>

<th> CLUB </th>

</tr>

</thead>

<tbody>

<tr>

<td> JOSHUA </td>

<td> DAUDI </td>

<td rowspan="2"> ICS </td>

</tr><tr>

<td> ISACK </td>

<td> JUMA </td>

</tr>

</tbody>

</table></body></html>

**OUTPUT**

|  |
| --- |
| **Capture 4.JPG** |

**4.TABLE WITH BORDER-COLLPSAN,BOREDR-SPACING AND CELL SPACING**

<!DOCTYPE html>

<html>

<head>CODE PROGRAMMING

<title>programming technical

</title></head>

<body ><table border="1px cellpadding="0px" style="border-collapse:collapse" >

<tr>

<th> FIRST NAME </th>

<th> LAST NAME </th>

<th> CLASS </th>

</tr>

</thead>

<tbody>

<tr>

<td> RAJABU </td>

<td> DAUDI </td>

<td> FORM 3 D </td>

</tr><tr>

<td> SALUMU </td>

<td> JUMA </td>

<td> FORM 2 F </td></tr>

</tbody></table></body></html>

**OUTPUT**

|  |
| --- |
| Capture.JPG |

# HTML LINKS

# Link from one html page to another

Html link enable a developer to make the link between one page to another webpage

<a> tag and href attributes is used in linking of webpages

href attribute is used to identify the linked webpage   
**formular  
<a href="webpage link(example index.html)">Element content </a>**

**HTML form code programming**  
<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head>  
<body>  
if you click the underlined text, you will be moved to index.html

webpage  
<a href="index.html"> click me </a>  
</body>  
</html>

**Html links html to css**

This link is used to link the html document to css document

**Html codes**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title>

<link rel=”stylesheet” href=”file path”>

</head><body></body></html>

**Link to favicon**

Favicon is the image that appear on the title of webpage



Favicon

**Html codes**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title>

<link rel="icon" type="image/x-icon" href=”image path"></head><body></body></html>

# HTML FORM

HTML forms can be used to collect user data, make the login form, registration , search form, contact form  
The **<form>** element define an HTML form

## HTML forms attributes

**accept charset**

Defines the characters set of the form

**action**

It is an attribute that is used to control action of the form after been submitted

**autocomplete**

Command the browser to automatically complete the form elements

**enctype**

Defines the encoding of the data submitted by the form

**method**

Defines the http(hypertext transfer protocol ) method to use when submitted by the form e.g., GET form POST

**name, id,class**

Used to specify the form for the purpose of styling and document object manipulation

**novalidate**

Tells browser not to be validate the form

**onsubmit**

It used to call JavaScript function

**target**

Defines the target of the form e.g.,  
**target="blank”, form** handler will be opened

in new tab

**Bottom of Form**

**autocapitalize**

It commands the browser that the entered data/information automatically should be

capitalized according to the value entered

**THE VALUES OF AUTOCAPITALIZE**

* **sentences**  
  automatically should be capitalized after Command the browser that the entered data/information each sentence
* **words**  
  Command the browser that the entered data/information automatically should be capitalized after each word
* **characters**  
  Command the browser that the entered data/information automatically should be capitalized after each character

**autofocus**

It specifies whether a form control should be focused as the page loads

**autocomplete**

It commands the browser to complete the filled data (text value) automatically

**disable**

Commands the browser to make the entered

value to be unchanged (un editable)

**max**

Commands the browser to control the

maximum characters in the form that should

be entered

**maxlenght**

Commands the browser to control the number of maximum characters in the form that should be entered

**min**

Commands the browser to control the minimum characters in the form that should be entered

**minlenght**

Commands the browser to control the number of Maximum characters in the form that should be

Entered

**multiple**

Commands the browser to control the data when submitted to a server. The page handle can get the value of input by referring to its name when it is submitted

**pattern**

Commands the browser to control regular expression that an inputs value is checked against

**placeholder**

It provides the words that will be appear in the text area in order to explain to a user what to should be written

**required**

It commands the browser that the form should be filled before submitted

**spellcheck**

It commands the browser that the data/information entered in the form should have spellings and grammatical checked

**wrap**

It specifies how a text field should be wrapped in the form

**HTMLCODE PROGRAMMING**

<! DOCTYPE html><html>  
<head>Code programming  
<title>programming technical  
</title></head><body>  
<form action="form.html" method="GET">

<input type="text" name="full name"

placeholder="full Name" / >

<input type="submit" >

</form></body></html>

**OUTPUT**

|  |
| --- |
| Capturesfsfdff.JPG |

**FORM INPUT TYPE**

This tag specifies the type of input form in the web page

The **<input>** element is a form element

**THE INPUT ATTRIBUTES VALUE**

**text**

It commands the browser to provide a single line space for entering the text that a user can write a text(comment)

**HTMLCODE PROGRAMMING**

<! DOCTYPE html><html>

<head>Code programming

<title>programming technical

</title></head><body><form>

<input type="text">

<input type="submit"></form>

</body></html>

**OUTPUT**

|  |
| --- |
|  |

**checkbox**

Commands the browser to provide the polygon structures that contain words that a user can choose according to its judgment.

The value of a checkbox could either be checked or unchecked

**HTMLCODE PROGRAMMING**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical</title>

</head><body><form>

<input type="checkbox"><br>

<input type="checkbox"><br>  
<input type=” submit”></form>

</body></html>

**OUTPUT**

|  |
| --- |
| edxfdfgg.JPG |

**color**

It is used to command the browser to provide an area that is rectangular in shape that the user can choose the color when its clicked due to its judgment

**HTMLCODE PROGRAMMING**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical</title>

</head><body><form>   
<input type="color" ><br>  
<input type="submit"></form>  
</body></html>

**OUTPUT**

|  |
| --- |
| **wwwwwwwwwwwww.JPG** |

**date**

It commands the browser to provide the instruction of date that a user can put the date due to the instruction get

**HTMLCODE PROGRAMMING**

<! DOCTYPE html><html>  
<head>code programming

<title>programming technical

</title></head><body><form>

<input type="date"><br>

<input type="submit">

</form></body></html>

**OUTPUT**

|  |
| --- |
| code programming  C.JPG |

**datetime-local**

commands the browser to provide the instruction for entering date and time

**HTMLCODE PROGRAMMING**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body><form>  
<input type="datetime-local" ><br>

</form></body></html>

**OUTPUT**

|  |
| --- |
| Code programming |

**email**

Commands the browser to provide the text area for entering only an email so it will consider the @ symbol and other things that an email compose

**HTMLCODE PROGRAMMING**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical</title>  
</head><body><form>

<input type="email" >  
<input type="submit">  
</form></body></html>

**OUTPUT**

|  |
| --- |
| ttttttttttttttt.JPG |

Bottom of Form

**File**

Commands the browser to control the user to enter the file from its device that used to enter in the web page/website. This helps a user to enter file in the webpage

**HTMLCODE PROGRAMMING**

<!DOCTYPE html><html>

<head>code programming<br>

<title>programming technical</title>

</head><body><form>

<input type="file"><br>

<input type="submit"></form>

</body></html>,

**OUTPUT**

|  |
| --- |
| **Cap.JPG** |

**hidden**

Commands the browser to hide the text

**HTMLCODE PROGRAMMING**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body><form>  
<input type="hidden">  
<input type="submit">  
</form></body></html>

**OUTPUT**

|  |
| --- |
| Capt.JPG |

**month**

Commands the browser to provide instruction for entering month of the year

**HTMLCODE PROGRAMMING**

<!DOCTYPE html><html>

<head>code programming

<title>programming technical</title>

</head><body><form>

<input type="month">

<input type="submit"><form>

</body></html>

**OUTPUT**

|  |
| --- |
| xfdddddddddddddddg.JPG |

**number**

Commands the browser to allow only numbers to be entered

**HTMLCODE PROGRAMMING**

<!DOCTYPE html><html>

<head>code programming

<title>programming technical</title>

</head><body><form>

<input type="number">

<input type="submit"></form>

</body></html>

**OUTPUT**

|  |
| --- |
| mhmhthgggggggggggggggggggggg.JPG |

**password**

commands the browser to encrypt the entered text by sing bullet .example will be shown in the output

**HTMLCODE PROGRAMMING**

<!DOCTYPE html><html>

<head>code programming

<title>programming technical

</title></head><body><form>

<input type="password">

<input type="submit"></form>

</body></html>

**OUTPUT**

|  |
| --- |
| Capture1.JPG |

**radio**

commands the browser that a single value only to be selected out of multiple choices

**HTMLCODE PROGRAMMING**

<!DOCTYPE html><html>

<head>code programming

<title>programming technical

</title></head><body ><form>

<input type="radio" name="gender"><br>

<input type="radio" name="gender"><br>

<input type="submit">

</form></body></html>

**OUTPUT**

|  |
| --- |
|  |

**range**

Commands the browser to provide the instruction for entering range

**HTML CODE PROGRAMMING**

<!DOCTYPE html><html>

<head>code programming

<title>programming technical

</title></head><body><form>

<input type="range"><br>

<input type="range"><br>

<input type="submit"><br></form>

</body>

</html>

**OUTPUT**

|  |
| --- |
| Capture43.JPG |

**tel**

Commands the browser to provide the instruction for entering phone number

**HTML CODE PROGRAMMING**

 <!DOCTYPE html><html>

<head>code programming  
<title>programming technical  
</title></head><body><form>   
<input type="tel" >  
<input type="submit">  
</form></body></html>

**OUTPUT**

|  |
| --- |
| Capturewwe.JPG |

**search**

Commands the browser to provide the instruction for searching words (things)

**HTML CODE PROGRAMMING**

<!DOCTYPE html><html>

<head>code programming

<title>programming technical

</title></head><body><form>

<input type="search">

<input type="submit">

</form></body></html>

**OUTPUT**

|  |
| --- |
|  |

**URL**

A single line of text field for entering a URL if the form is submitted and the URL provided is not valid the user will be warned

**HTML CODE PROGRAMMING**

 <!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body><form>   
<input type="url">  
<input type="submit">  
</form></body></html>

**OUTPUT**

|  |
| --- |
| Capture444444444444444444444444444444444444444.JPG |

**time**

Commands the browser to provide the instruction for entering time

**HTML CODE PROGRAMMING**

 <!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body>  
<form>   
<input type="time" >  
<input type="submit">  
</form></body></html>

**OUTPUT**

|  |
| --- |
| Capture333333333333333333333333333333333333333333.JPG |

**week**

Commands the browser to provide the instruction for entering week of a year

**HTML CODE PROGRAMMING**

<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body>  
<form> <body>

<input type="week" >  
<input type="submit">  
</form></body></html>

**OUTPUT**

|  |
| --- |
| **Capture3333333333333333333333334444444444444444444555555555555555555555.JPG** |

* **HTML BUTTONS**

It is clickable elements that can be used in HTML forms to link different web pages.

HTML buttons can be used anywhere in a document that to link web pages  
the **<button>** element represents the HTML button. The HTML button has an ending tag. The text inside the button tag will appear in the button margin

Calling a JavaScript function can be done by specifying the onclick attribute with the value equivalent to the name of the function

**THE TYPE OF BUTTON VALUES**

**Submit**

Default value it can cause the form be submitted

**tbutton**

It removes the default behavior of a button

**reset**

It resets the form controls to their initial value

**HTML button code programming**  
<!DOCTYPE html ><html>

<head>Code programming

<title>programming technical</title>

</head><body><br>

<b>button with submit value </b>

<form><input type="text" />

<button> Submit </button></form>

<b>button with reset value </b>

<form>

Name: <input type="text"/><br>

Job :<input type="text"/><br>

<button type="submit">Submit</button>

<button type="reset">reset</button>

<button type="tbutton">remove default value</button>

</body></html>

**OUTPUT**

|  |
| --- |
|  |

# HTML TEXTAREA

Html textarea provides a space for a visitor to fill

Html textarea is different form input of text because textarea is flexible so as it can increase in size either width or height or both of them

It has an ending tag </textarea>  
**HTML textarea attributes**  
**cols**

Specifies an exact size in columns

**rows**

Specifies an exact size in rows

**Value**

Provide introduction to a visitor what to fill in the space

**HTML CODE PROGRAMMING**

<!DOCTYPE html ><html>

<head>Code programming<br>

<title>programming technical</title>

</head><body>

<textarea cols=30 rows=5 placeholder=iamplaceholder>

</textarea>

</body></html>

**OUTPUT**

|  |
| --- |
|  |