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HTML HAUSA

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HTML

HyperText yana nufin rubutun da yake dauke da link. Markup language kuma yaren na'ura.

HTML (Hyper Text Markup Language) is used to display the content of a website on the browser.

HTML file extension ends with **.html** (dot html) e.g. index.html

HTML (ma'ana Hyper Text Markup Language) yare ne da ake dashi wajen bayyana abubuwa da website ya kunsu akan browser.

File din html ana kareshi ne da **.html** (dot html) misali index.html

Bude Notepad ko wata html editor ka/kirubuta

<html>

<body>

Our practical goes here.

Komai anan zaka RUBUTA.

</body>

</html>

Yi saving din file da index.html

Structure of the webpage

Zibi da kirar website

<!DOCTYPE html> wannan yana nuna cewa wannan document din na html ne.

<html> yana kunshe da komai nacikin shafin.

<head> yana dauke da metadata na document da kuma abubuwan da ake ganinsu a saman shafi, kamar title.

<body> yakunshi komai na cikin fuskar screen, acikinsa ne akeyin html.

Complete Structure Webpage

```
<!DOCTYPE html>
<html>
<head>
<title>My Website</title>
</head>
<body>
Everything here.
</body>
</html>
```

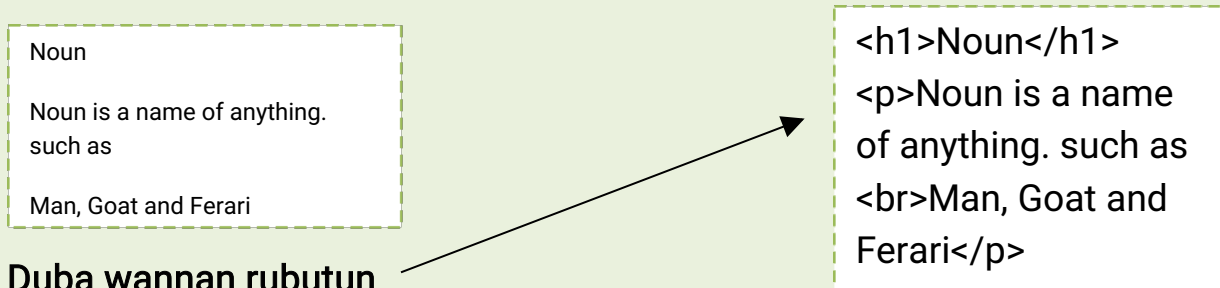
HTML Tag/Element

HTML Tag alama, wata alamace da ake anfani da ita a html. Wasu kalmimane na musamman wanda suke kewaye da angle brackets, sune kamar `
`, `<h1><label>`. `<html>`.

Sunada na budewa danarufewa. Misali `<h1>`ta budewa ce `</h1>` ta rufewa.

Yadda ake anfani da alamomi na **HTML**

Alamomin suna zuwa biyu biyu ne kamar `<h1></h1>` wasu kuma daya daya ake anfani dasu kamar `
` da `<hr>`, shi `
` yana nufin Break line, ana anfashi wajen sakin layi.



Duba wannan rubutun

Nayi anfanida `<h1>`wajen yin manyan rubutu. Bugu da kari, bana bukarar ake saina yai anfani da `
` anan domin `<h1>` yana saka margin (ma'ana sarari awajen tag), za'a fahinci hakan a darasi na gaba.

Block and non block tag

Block tag sune wadanda suke bada sakon layi ko da ba'ayi anfani da `
`. Misalinsu sune `<h1>` da `<div>` da `<p>`. **Non block** sune kamar `<label>` da ``..

Nested tags

Sune tags dinda akayi anfani dasu acikin wasu tags din. Misali `<h1>Khalifa Website</h1>`. Inmukaduba anan zamuga cewa anyi anfani da `` a tsakanin `<h1>` tags to anan `` yazama nested tag.

HTML attribute yana zuwa acikin tag din farko ne. misali `<p id="name"></p>` anan id attribute ne. Ko kuma `<input type="text">`. Anan type attribute ne. Attribute yana bada wata ma'ana ne a tag. Misali `<input type="text">`. Wannan zai hada input wanda za'a iya rubuta harufa da lambobi aciki. `<input type="number">` wannan kuma zai kirkiri

input da zaasa lambobi ne kawai, `<input type="submit">` wannan kuma zai bada dama a tura abinda aka rubuta acikin input din sama gaba daya na form, zamuzo bayani akan form nan gaba.

Attribute value shine abinda ake rubutawa acikin attribute. Misali `type="text"`, anan text shine attribute value.

Tsokaci: Adinga anfani da tag a koda yausha.

✓

```
<label>Name</label><br>
<input type="text"> <br>
<label>Password</label><br>
<input
type="password"><br><input
```

✗

```
Nam<br>
<input type="text"> <br>
Password<br>
<input
type="password"><br><input
type="submit">
```

Tags da Anfaninsu

SN	Tags	Their uses
1.	<code><H1><H7></code>	Manyan rubutu<H1> shiyafi girma <h7> kuma shine karami
2.	<code><p></code>	Wannan na paragraph ne<p> </p>
3.	<code>
</code>	Da ita ake anfani wajen sauka layi na gaba
4.	<code><hr></code>	Yana tsana dogon layi
5.	<code><i></code>	Yana karkatar da rubutu(maana italic) <i>text here</i>
6.	<code><u></code>	Yana sanya layi a kasan rubutu <u> rubutu </u>
7.	<code></code>	Yana karawa rubutu duhu.
8.	<code><label></code>	Wannan baya canja kwalliyar rubutu.
9.	<code><table></code>	Table tag.
10.	<code><tr></code>	Shine column a table
11.	<code><td></code>	shine row a table
12.	<code><form></code>	form
13.	<code><button></code>	Madanni.
14.	<code></code>	Emphasis yana maida rubutu kamar italic <i>
15.	<code><q></code>	Yanasa quotation mark a rubutu.

Formatting (Kwalliyar rubutu)

`<h1>` Yanamaida rubuta yazama babba.

`<u>` Yanasa layi akasan rubutu.

`<p>` paragraph kenan. Aciki ake rubutu.

`` Yana kara duhun rubutu.

`
` Anfaninsa wajen sakin layi ne.

`<i>` Yana jirkita rubutu(italic).

Text Formatting.

```
<h1><u>Noun/u></h1>
```

```
<p>
```

```
<b>Noun</b> is a name of anything.
```

```
<br> Noun can be <i>person, place,  
animal</i> or <i>thing.</i>
```

```
</p>
```

List element

Akwai ire iren list guda biyu **order list** wanda yake sanya lamba a jerensa. Da kuma **unordered list** wanda yake sanya alama kamar square.

Order list yana farawa da `` sannan wajen jero abubuwa ana anfani da ``

1. Tomatoes
2. Rice
3. Fish
4. Pot

```
<ol>
```

```
<li>Tomatoes</li>
```

```
<li>Rice</li>
```

```
<li>Fish</li>
```

```
<li>Pot</li>
```

```
</ol>
```

Start attribute: zaibaka damar sanja lambar farawa ta jeren (list).

Mu gwada `<ol start="3">` zai fara jeren daga 3.

Unorder List: shikuma unordered list yana anfani da `` tag.

Unordered list

```
<ul>
```

```
<li>Tomatoes</li>
```

```
<li>Rice</li>
```

```
<li>Fish</li>
```

```
<li>Pot</li>
```

```
</ul>
```

- Tomatoes
- Rice
- Fish
- Pot

Unorder list type attribute

Rubuta circle a cikin type attribute domin ganin banbancin. Sauran values din attributes din sune: disc (wanda shine yake bayyana koda ba'asanja ba) sai square da circle.

Descriptive list

Wannan ba kamar list din darasin baya bane, domin zai baka damar yin Karin bayani a list din da kayi. Ana anfani da `<dl>` a matsayin mafari, `<dt>` shine list din, sannan `<dd>` yazama na karin bayani.

Mangoro
Mangoro dan itace ne

```
<dl>
<dt>Mangoro</dt>
<dd>Mangoro dan
itace ne</dd>
</dl>
```

Drop down list

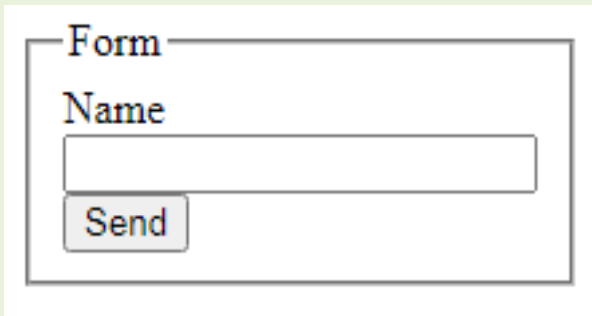
List ne wanda yake aboye, ma'ana sai andanna yake budewa. Ana anfani da `<select>` element wajen hadashi, sannan a wajen rubuta rejin abubuwa ana anfani da `<option>`.

Tomato ▼

```
<select>
<option>Tomato</option>
<option>Tomato</option>
</select>
```

Fieldset tag

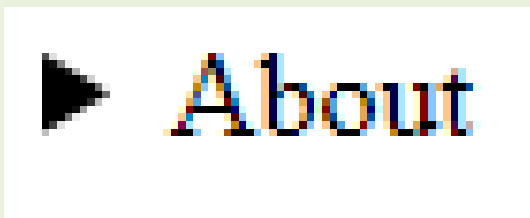
Kamar yadda akaji Kalmar wani tag ne da zai bada damar hada elements masu alaka da juna acikin wata da'ira(border) kamar form tags.



```
<fieldset>
<legend>Form</legend>
<label>Name</label><br>
<input type="text"><br>
<button>Send</button>
</fieldset>
```

Detail tag

Shi wannan yana bayyana kamar dropdown list ne, da farko zai baka damar yin wani takaitacen rubutu kamar take sannan ka karasa sauran rubutun acikin body dinsa wanda shine baya bayyana sai an danna. Bari de muga abin a aikace.



```
<details>
<summary>About</summary>
>
Nan kuma shine kamar body.
</details>
```

Img element

Img tag shine ake anfani dashi wajen sanya hoto a website, ana rubuta sunan hoto tare da extension dinsa a acikin **src attriute**, bugu da kari zaka iya iyakance fadi da tsayi na hoto ta hanyar anfani da **width** da **height attributes** da ma'aunin pixels.

```

```

Sunan hoto khalifa extension shine jpg tsayi da fadinsa a kan browser shine 40*20.

Comment

Comment wata dama ce da zaka iya yin rubutu kayi bayanin wani sashe na code dinka, kuma browser bata bayyana duk abinda aka rubuta acikin comment. Misali:

<!--wannan ne comment --> wannan rubutun da yake tsakanin <!-- da --> bazai bayyana ba koda kuwa tag ne.

Color

Anasaka color ta hanyoyi mabanbanta kamar:

- i. Sunan color kamar red.
- ii. Hexadecimal wanda ake farashi da hashtag (#) kamar #000000

Su digits ne guda shida, biyun farko suna nuni ga **Ja**, biyun tsakiya suna wakiltar **Kore**, biyun karshe kuma sune **Shudi**. Za'a iya anfani da graphics software (irinsu Photoshop) wajen kirkirar irin wadannan values na hexadecimal.

- iii. Decimal ko percentage ta hanyar anfani da **rgb()** property, ma'ana **red green** da **blue**. Ana anfani da ma'auni ne daga 1 zuwa 255. Misali **rgb(9,45,122)** ko kuma percentage kamar haka **rgb(9,45%,12%)**.

Kalolin da ake anfani dasu a Browser guda 216 ne.

GA wasu daga cikinsu:

000000 000033 000066

000099 0000CC 6600FF

6600CC 336699 993300

CC0033 FF0000 FF0033

FFFF00 FF3333

Bgcolor attribute anasashi acikin body tag domin sanya kala a shafi. Misali:

`<body bgcolor="red">`

Link

Link yana daukar mutum daga shafin da yake yakaishi wani shafi ko kuma yakaika wani waje acikin shafin da kake. Muna anfani da tag na **<a>** maana **enchor tag** da attribute na **href** domin kayyade inda link din zai kai mutum.

`Google` wannan zai kaika google.

Link na cikin shafi

Link nacikin shafi yana da muhimmanci a wasu safukan musamman ma idan akwai rubutu da yawa, zakayi anfani da link yakaika wajen abinda kakeson karantawa. Ana anfani da alamar **href attribute**, **hash** da **name attribute**. A **navigator** dinka zakayi anfani da **href** da **hash tag (#)** sannan inda kakeson yakaika kuma kayi anfani da **name attribute**, sannan karubuta abinda ka rubuta acikin **href** dinka na navigator.

Misali:

```
<a href="#noun">Danna nan zaikaika wajen da akayi bayanin Noun</a>
```

```
<a name="noun">Noun</a> is a name of anything.
```

Download attribute

Wannan attribute ne da zaibawa user damar yin downloading a yayinda danna wani link, ga yadda yake: `` misali ``

Duk lokacin da aka danna wannan link din zaiyi downloading din wannan hoton mai suna `devlogo.jpg`.

Image a matsayin link

Cikin sauki ake hada wannan. Kasa hoton a tsakanin `<a>` din. Misali

```
<a href="https://google"></a>
```

Iframe tag

Zaka iya anfani `iframe` tag domin sanya wani webpage acikin naka webpage din.

Misali:



```
<iframe  
src="https://devcoin.com"  
width="400px"  
height="250px"></iframe>
```

Iframe attributes

src : wannan shine wajen link.

width: fadi kenan

height: tsayi.

Form

Ana anfani da form domin karbar wasu bayanai daga u

Misali form din neman aiki ko admission a makaranta.

Form yana daukeda da madanni wanda zaa danna atur

duk wani abu da aka rubuta zuwa server. Ana anfani ne da **<form>** tag.

Form attributes

<form action="" method="">

Action attribute yana daukeda address din server da zata karbi duk wani bayani da aka tura.

Method attribute shiyana bayyana yadda zaatura bayananki cikin form zuwa page din da akasa a action attribute.

<input> tag: wannan ne tag din da ake anfani dashi wajen rubuta bayani, kamar suna, number da sauransu.

Ana kayyade aikin da akeso input yayi a cikin type, misali type="text" na rubutun harufa da kuma numbers ko type="number" wanda zai dauki number kadai.

Input yana iya tura sakon form idan aka samasa submit acikin type. Misali: type="submit".

A duba hoton form dinnan na sama.

Table

Wannan wani tsari ne da zaibaka damar jera abubuwa a table, ana anfani da **<table>** tag. Awajen jeren ana anfani da **<tr>** amatsayin columns da **<th>** da **<td>** amatsayin row .

Complete form

```
<form action="index.php" method="post">
```

```
<label>First Name</label> <input type="text"
name="fname"> <br>
```

```
<label>SurName</label> <input type="text"
name="sname"> <br>
```

```
<label>Phone Number </label><input type="text"
name="pnumber"><br>
```

```
<input type="submit">
```

```
</form>
```

<th> shine head, <td> kuma dashi ake anfani acikin jeren table.

Misali:

S/N	Name
1	Adamu
2	Adama

```
<table>
<tr>
<th>S/N</th> <th>Name</th>
</tr>
<tr>
<td>1</td> <td>Adamu</td>
</tr>
<tr>
<td>2</td> <td>Adama</td>
</tr>
</table>
```

Table border attribute

Ana anafi da wannan attribute din domin sanya border a table.

misali: <table border> inkaso saikasanya pixel <table border="9">

Takaitaccen bayani akan CSS

CSS ko cascading style sheet: Ana anfani da wannan style din domin yin kwalliya da jera abubuwa da sauran su.

Inline Style – Style attribute

Attribute ne da zaibamu damar yin kwalliya ga wani tag kwaya daya. Zaka iya sanyashi acikin ko wanne tag. Misali: <input type="text" style="">

Property and value

CSS yana dauke wasu abubuwa guda biyu, sune property da value. Misali:

<input type="text" style="property:value;"> sannan ana anfani da semi colon a karshen ko wanne.

Wuraren da akesa CSS

1) cikin tag

2) a tsakanin <head> kamar haka <head> <style></style> </head> wannan kuma yana anfani da tag da id da kuma class. Misali idan za ayi wa wani tag kwalliya sai aje arubuta sunansa atsakanin <style>, ko kuma abaiwa tag din sunan ta hanyar anfani da id, kamar <p id="name"> ko ayi anfani da class kamar haka <p class="name">.

3) File me zaman kansa. Wanda ake kareshi da extension na .css

Wasu daga cikin style:

Background: green;

Padding: 10px; yanasanya sarari acikin tag.

Margin: 10px; yanasanya sarari awajen tag.

Text-align: center;

A aikace

<p style="background: green; text-align: center; padding: 10px;">

Wannan CSS din zai sanya kalar kore a bayan rubutun, zai tura rubutun zuwa tsakiyarshafi, sannan zai sanya sarari acikin rubutun.

</p>

Wannan dunkulallen bayani ne akan CSS.

HTML Responsible

Wannan yanada matukar muhimmanci. Anfani da wannan zaisa website dinka yayi dede da kowacce device(computer ce ko waya).

Abubuwan lura da anfani dasu sune kamar

1) Asa wannan a kasan <head >tag: <meta name="viewport" content="width=device-width, initial-scale=1.0">. Wannan ne zaisa shafin yayi dede da kowacce device.

Content="width: anan kana kokarin sanya fadin shafin da kake bukata.

=device-width: maana dede da fadin device. Yanada muhimmanci wannan.

2) Adinga anfani da percentage a wajen awu. Misali aguji pixel (kamar 10px) adinga anfani da irin wannan 15%, hakan zaibaiwa browser dammar diban fili (tsayi ko fadinda) da ka kayyade a kowacce device cema.

✗

Width: 1200px;
Height: 600px;

✓

Width: 100%;
Height: 50%;

JavaScript

JavaScript (ba kamar HTML da CSS ba) programming language ne da ake anfani dashi wajen hada application da zaiyi aiki akan browser.

Misalin JavaScript

JavaScript zai iya sanja abinda yake cikin shafin HTML kamar haka:

Wannan javascript din zai nemo tag wanda yake dauke da id="gg" sannan ya sanja masa rubutun cikinsa zuwa "I am JS"

I am JS

```
<script>  
function func(){  
document.getElementById('gg').innerHTML = 'I am  
JS';  
}
```

NANNE KARSHEN WANNAN LITTAFI NA HTML.

ABUBUWA MASU ANFANI

TANTANCE FORM DA JAVASCRIPT

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta name="viewport" content="width=device-width, initial-scale=1.0">
5     <script>
6       function validate()
7       {
8         if (document.myForm.fname.value == " ")
9         {
10          alert("Rubuta Sunanka");
11          document.myForm.fname.focus();
12          }
13        }
14     </script>
15   </head>
16   <body>
17     <form name="myForm">
18       Name <br>
19       <input type="text" name="fname"><br>
20       <input type="submit" onclick="validate()">
21     </form>
22   </body>
23 </html>
```

TANTANCE PASSWORD DA JAVASCRIPT

```
1  <html>
2  <body>
3  <script>
4      function validate()
5      {
6          if (document.myForm.pwd.value != document.myForm.pwd1.value)
7          {
8              alert("Password does not match");
9              document.myForm.pwd1.focus();
10         }
11     }
12 </script>
13 <form name="myForm">
14     Password <br><input type="password" name="pwd"><br>
15     Comfirm password<br><input type="password" name="pwd1"><br>
16     <input type="submit" onclick="validate()">
17 </form>
18 </body>
19 </html>
```

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KARSHEN LITTAFI

ABUBUWA MASU ANFANI

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2. TANTANCE PASSWORD DA JAVASCRIPT

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