

LEARN

HTML

Hyper Text Markup Language

HTML Lessons

HTML Lessons

Lesson (0) v (1) Introduction:

Here define about how HTML is important & how to learn all HTML?

Lesson (1) v (2) HTML Editor:

VS Code is the most important or chooses another one, as you like,
How to download and install and use it, and how to download and
install Google chrome?

Lesson (2) v (3) HTML basics:

How to open file and save it, How to create HTML page with some of
it's elements?

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>test</title>
</head>

<h1>Learn HTML</h1>


<body>

</body>

</html>
```

Lesson (3) v (4) HTML Headings:

<h1> - <h6> Text elements -->

We write text inside Headings, and we use it to get text a different size as heading.

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Test</title>
</head>
<!-- These elements uses to write text inside, there are difference
size between these of elements, we use it as headings -->
<!-- <h1>HEADINGS-1</h1> the biggest, .. And so on to <h6>H ..-6</h6>
the smallest -->

<h1>HEADINGS -1</h1>
<h2>HEADINGS -2</h2>
<h3>HEADINGS -3</h3>
<h4>HEADINGS -4</h4>
<h5>HEADINGS -5</h5>
<h6>HEADINGS -6</h6>

<body>

</body>

</html>
```

Lesson (4) v (5) meta type =“charset”:

هذا الوسم يجعل متصفحك يدعم الاحرف غير الانجليزية والاشكال والرموز الخاصة، الآن معظم المتصفحات تدعمهم بخلاف المتصفحات القديمة ..

This tag makes your browser support non-English letters and special symbol and shapes, now most of new browsers support them, except for old ones.

```
<body>
  <!-- Lesson (4) v (5) meta type = “charset” -->
  <!-- Attributes = "خصائص او مميزات، ولكل عنصر خصائص قد تختلف حسب نوع العنصر" --
>

  <!-- Element = "عنصر" -->
  <!-- Tag = "وسم او علامة" -->

  <!--
Attributes:
  dir="rtl" lang="en"
  dir = direction اتجاه
  rtl = right to left = من اليمين الى الشمال
  ltr = left to right = من الشمال الى اليمين
  .....

  Lang = language اللغة
  lang ="ar" لإخبار المتصفحات ومحركات البحث بأن الصفحة مكتوبة باللغة العربية
  lang ="en" لإخبار المتصفحات ومحركات البحث بأن الصفحة مكتوبة باللغة الانجليزية
  ولباقي اللغات ابحث في جوجل عن رموز اللغات الاخرى
  lang = "" اذا كان لموقعك اكثر من لغة ينصح بان لا تضع خاصية
ex:
<html lang="en-ar">

  <body dir="rtl-ltr"> لتحديد اتجاه المحتوى
  </body>
</html>
  .....
Element:
<head></head>
```

```
<body></body>
```

```
.....
```

Tag:

يوجد نوعان من هذا الوسم :

بدون خط </> وينصح بشدة استخدامه بالخط المائل حتى لا تحدث اخطاء في بعض المنصات احيانا <> 1. مائل او بخط مائل

2. <element></element>

```
.....
```

```
<meta charset="UTF-8">
```

هذا الوسم يجعل متصفحك يدعم الاحرف غير الإنجليزية والاشكال والرموز الخاصة وينصح بوضعه في كل صفحة من صفحات الموقع،
الآن معظم المتصفحات تدعمهم بخلاف المتصفحات القديمة

فإذا زار موقعك شخص ما وموقعك قديم او لا يدعم الاحرف غير الإنجليزية والاشكال والرموز الخاصة فإن
الاحرف في المتصفح تظهر له باشكل غير واضحة ومفهومة

هي صيغة ترميز للاحرف والاشكال الخاصة "UTF-8"

```
.....
```

```
-->
```

```
<!-- Note: Comment, It is necessary for notes and make some codes  
didn't run when we need that, egnore, and didn't show it in browser  
pages. -->
```

```
</body>
```

Lesson (5) v (6) Live server extension & Text Format:

```
<!-- You can download and install Live Server to get best
      performance, when showing your code working. -->
<!-- elements: We use these elements to format texts on Html. -->

Defines<b> bold text </b>
<br> Defines <em> italic text</em>
<br> Defines <i> italic text</i>
<br> Defines <small> smaller text</small>
<br> Defines <strong> important text like b above</strong>
<br> Defines <strong style="color:red;"> change color important
text like b above</strong>

<br> Defines <ins> underline text or "inserted"</ins>
<br> Defines <mark> put color on text to distinguish it "Marked/
Highlighted"</mark>
<!--
      Note: There are many ways to get and change colors:
      1. Define the name of colors in the English language with
style="red".
      2. Define the name of colors with the VS-Code app, we put and
move the
          pointer on the color to choose a suitable color.
      3. By searching on Google for colors.
      4. Using the developers' mode for the browser "inspect"
      5. The appropriate colors are chosen through specialized
sites.
-->
```

Lesson (6) v (7) How to create html links:

```
<!-- First kind: -->
<a href="https://codershiyar.com"
target="_blank">Codershiyar.com</a>
<br>
<!-- Second kind: -->
<a href="contact.html" target="_blank">Contact us</a>
<br>
<!-- Third kind: -->
<a href="mailto:hamoaaak@gmail.com" target="_blank">MyGmail</a>
<br>
<!-- Forth kind: -->
<a href="tel:00962796441583" target="_blank">MyPhone</a>
<br>
<!-- Fifth kind: -->
<h1 style="height:700px;background:rgb(188, 125, 125);">
  <a href="#h1">First Part</a>
</h1>

<h1 id="h1" style=" height:700px;background:rgb(94, 112, 247); ">
  <a href="">Second Part</a>
</h1>

<br>
<hr>
```

Ex:

```
<a href="https://google.com" target="_blank">Google</a>
<br>
<hr>

<hr>
```

Lesson (7) v (8) How to create :

```
<!-- In this element, when you define width & height,
      recommended use just width or height -->
<!-- alt="" When src=>invalid, photo didn't run, we write text
      inside brackts to waiting show photo -->




<br>
<a href="https://codershiyar.com" target="_blank">
  
  <br> Birds
</a>
<br>
<hr>
```


Lesson (8) v (9) How to create HTML tables:

“Needs Review”

```
<table dir="rtl">
  <tr>
    <td>الطالب الاول</td>
    <td>
      <meter min="0" max="100" value="90" low="50" high="70"
        optimum="100">
    </td>
  </tr>

  <tr>
    <td>الطالب الثاني</td>
    <td>
      <meter min="0" max="100" value="60" low="50" high="70"
        optimum="100">
    </td>
  </tr>

  <tr>
    <td>الطالب الثالث</td>
    <td>
      <meter min="0" max="100" value="40" low="50" high="70"
        optimum="100">
    </td>
  </tr>

</table>
<hr>
```

Ex:

```
<!-- You can create it through the element table -->
<!-- <tr> => create line, <th> => create column or headline "Bold
      font", <td> => create column but not head table "Not Bold",-->
<!-- through border="2" you can create table border and define
      it's bold -->
<!--  colspan="2" you can with this property merge two cols or
      more -->
<!--  rowspan="2" you can with this property merge two rows or
      more -->

<!-- ex: with HTML elements -->
<table border="2">
  <thead>
    <tr>
      <th>No</th>
      <th>Fullname</th>
      <th>Birthday</th>
      <th>Nationality</th>
      <th>Gender</th>
    </tr>
  </thead>

  <tbody>
    <tr>
      <td>1</td>
      <td>Ali Ahmed</td>
      <td>1999</td>
      <td colspan="2">Egypt</td>
      <!-- <td>Male</td> -->
    </tr>
    <tr>
      <td>2</td>
      <td>Amer Mohyee</td>
      <td>1997</td>
      <td>as</td>
```

```

        <td>Male</td>
    </tr>
    <tr>
        <td>4</td>
        <td>Ehab Amjed</td>
        <td>2000</td>
        <td rowspan="2">Em</td>
        <td>Male</td>
    </tr>
    <tr>
        <td>5</td>
        <td>Aya Emad</td>
        <td>1995</td>
        <td>Swdan</td>
        <!-- <td>Female</td> -->
    </tr>
</tbody>
<tfoot>
    <tr>
        <td>Phone :</td>
        <td colspan="4">+962796441583</td>

    </tr>
</tfoot>

</table>

<br>
<hr>

```

Ex:

```

<!-- ex: with CSS elements -->
<table width="55%">
    <tr>
        <th>No</th>
        <th>Fullname</th>
        <th>Birthday</th>
        <th>Nationality</th>

```

```
        <th>Gender</th>
    </tr>
    <tr>
        <td>1</td>
        <td>Ali Ahmed</td>
        <td>1999</td>
        <td>Egypt</td>
        <td>Male</td>
    </tr>
    <tr>
        <td>2</td>
        <td>Amer Mohyee</td>
        <td>1997</td>
        <td>as</td>
        <td>Male</td>
    </tr>
    <tr>
        <td>4</td>
        <td>Ehab Amjed</td>
        <td>2000</td>
        <td>Em</td>
        <td>Male</td>
    </tr>
    <tr>
        <td>5</td>
        <td>Aya Emad</td>
        <td>1995</td>
        <td>Swdan</td>
        <td>Female</td>
    </tr>
</table>
```

Lesson (9) v (10) How to create html lists:

```
<!-- There are three ways to create list: -->
<!-- First way: Numbering ترقيم نقطي there are many features as
    following: type="square, circle, disk" -->
<ul type="circle">
  <li>Title</li>
  <li>Website</li>
  <li><a href="https://codershiyar.com"
    target="_blank">codershiyar.com</a></li>
</ul>
<!-- Second way: Bullets ترقيم رقمي it has many features
    type="A,a,I,i,1" an start="2-3-..11- ..etc.
    we put numbers or letter here refer to from where to start
    -->
<ol type="1" start="3">
  <li>Title</li>
  <li>Website</li>
  <li>
    <a href="https://codershiyar.com"
      target="_blank">codershiyar.com</a> </li>
</ol>
<!-- Third way: another style -->
<dl>
  <dt>Learn HTML in Arabic: </dt>
  <dd>By Coder Shiyar Channel</dd>
</dl>
<dl>
  <dt>Learn : </dt>
  <dd>HTML</dd>
  <dd>CSS</dd>
  <dd>Java Script</dd>
</dl>
<!-- NOTE: You can use CSS to get Best style -->
<br>
<hr>
```

Lesson (10) v (11) How to add audio files:

- There are many features you can use it or not as you wish:
- a. `src=""` through it we can define audio source.
 - b. controls to show all buttons to control audio and run audio.
 - c. muted to mute sound.
 - d. autoplay use to run audio file automatically when you open browser as Firefox, but in others like googlechrome it's Forbidden.
 - e. loop it runs when audio file is end, and start run, repeat audio file.
 - f. `preload="none-metadata-auto"` this feature has many values:
none: don't allow to load file automatically when open browser.
 - g. metadata: allow to load file automatically when open browser.
 - h. auto: allow to load file automatically when open browser as net speed.

NOTE: YouTube use it always, by using programming language we can do that.

```
-->
<audio src="audio/bolblySound.mp3" controls muted autoplay loop
  preload=""></audio>
<br>

<hr>
```

Ex:

```
<!-- Audio -->
<audio src="audio/bolblySound.mp3" controls muted preload="">
  Audio
</audio>
<!-- preload="none,metadata,auto" -->
<hr>
```

Lesson (11) v (12) How to add video file:

- To add control buttons use javascript or controls element ..
- There are many features you can use it or not as you wish:
 - a. src="" through it we can define video source.
 - b. controls to show all buttons to control video.
 - c. muted to mute video.
 - d. autoplay use to run video file automatically when you open website.
 - e. Loop it's' repeat run video file after it end.
 - f. poster to show photo in beginning as interface video, it doesn't run when autoplay feature runs.
 - g. preload="none-metadata-auto" this feature has many values:

Note: didn't allow to load file automatically when open browser.

metadata: first load website then load video file, allow to load file automatically after open browser.

auto: allow to load file automatically when open browser as net speed.

It caused slow website when it load, recommended use preload="none", if you do that, you will open video file with button.

Note: YouTube use it always, by using programming language we can do that.

```
<video src="video/system.mp4" width="200" controls muted loop
preload="none" poster="flower-3.jpeg"></video>
<br>
```

Ex: <!-- Video -->

```
<video src="video/knary.mp4" poster="img/jar.jpg" controls muted
preload="" width="222">
  VIDEO
</video>
<br>
```

Lesson (12)v(13)How to show pdf file on your website <embed> element:

Ex:

```
<embed src="p5.pdf" type="" width="90%" height="400">
<br>
```

Lesson (13) v (14) Why use <embed> element:

1. To show moving photo "الصور المتحركة".
2. To show pdf file.
3. To show other websites inside our website.
4. but you don't show all websites, as YouTube it has security.

-->

ex:

```
<h3>Show moving photo</h3>
<embed src="" type="الصور المتحركة" width="20%" height="100">
<h3>Show pdf file</h3>
<embed src="p5.pdf" type="" width="20%" height="100">
<h3>Show other website</h3>
<embed src="https://codershiyar.com" type="" width="20%"
height="100">
<br>
```

Ex:

```
<embed src="pdf-file/ASP.NET_12.pdf" type="" width="80%"
height="444">
<!-- Note: type="kind of file .. pdf or other" didn't work just
write type="" inside .. -->
<br>
<embed src="http://codershiyar.com" type="" width="50%"
height="444">
<!-- Note: type="kind of file .. pdf or other" didn't work just
write type="" inside .. -->
<br>
```


Lesson (14) v (15) <iframe> tag:

We use this tag:

- To show Moving photo.
- To show PDF files.
- To show other websites inside our website.

Note: But some websites didn't allow "prevent" that, it add security as YouTube.

```
<iframe width="560" height="315" src="https://www.youtube-
nocookie.com/embed/oOPjWUwNyjA?rel=0" title="YouTube video
player" frameborder="0" allow="accelerometer; autoplay;
clipboard-write; encrypted-media; gyroscope; picture-in-picture"
allowfullscreen>
</iframe>
<br>
<hr>
```

Ex:

How to show YouTube on your website:

- Open YouTube.
- Click share then click embed.
- Save the link and paste it on the page into src="link".
- Add at the end of the link "?rel=0" to control adds.

Ex:

```
<iframe width=" 560 " height="315 " src="https://www.youtube.com/
embed/oOPjWUwNyjA?rel=0" title="YouTube video player"
frameborder="0 " allow="accelerometer; autoplay; clipboard-
write; encrypted-media; gyroscope; picture-in-picture "
allowfullscreen>
</iframe>
<br>
<hr>
```

Lesson (15)v(16) <base> tag to Get files from external hosting:

We put <base> inside <head>

Ex:

```
<head>
```

```
<base href="">
```

```
</head>
```

```
<!-- You need it just when you use free hosting like Blogger" -->
<!-- We put <base> inside <head> we need it when we use free
      hosting, but we not need it when we use paid hosting ??!!, we
      put inside <base> new path we want, the new path alternate -->
<!-- When you use <base> that means you change path of get sub
      files you want use it on website, as soon as you use <base> you
      don't able to use files that you put inside folder embed html
      file, because you change path, And therefore you most upload your
      file from path you define -->
<!--

      <head>
          <base href="">
      </head>
-->
```

Ex:

```
<head>
  <base href="https://media.istockphoto.com/photos/pink-flowers-
    on-blue-wooden-background-picture-id1208169038?k=20&m=1208169038&s
    =612x612&w=0&h=jHCfjalxf0P2YVqSIMDa7qdlWuwIr_akj_7thgXsIiY=">
</head>
```

Lesson (16) v (17) How to create details & summary:

```
<!-- It is list has title and details, we see clear title and
      details is hidden, you can show details when you click on small
      button befor title -->
<div style="max-width:800px;margin:auto;">
  <details style="background: rgb(98, 121, 212);font-weight:
    bold;color:white;padding:10px;">
    <summary style="border:2px solid white;padding:5px;">
      Learn programing language :
    </summary>
    <p>HTML.</p>
    <p>CSS.</p>
    <p>JS.</p>
  </details>
</div>
<br>
```

Ex:

```
<div style="max-width:800px;margin:auto;">
  <details style="background:blue;color:white; ">
    <summary style="border:2px solid rgb(203, 169, 169);
      padding:5px; ">
      Learn programming language :
    </summary>
```

Lesson (17) v (18) How to create buttons on your website?

```
<!-- There are feature type="menu-submit-reset-button" has many
      values to define kind of button, "menu" value we don't need
      it, most of Browsers doesn't support -->
<!-- We need "button" value to create normal button, and between
      tags write button name like "TestBtn", we test js alert inside
      button element -->
<button type="button" onclick="alert('Hello Hussin')">
    Test Btn
</button>
<br>
<!-- You can merge <a> element with <button> element as above to
      link with another website -->
<a href="https://www.google.com" target="_blank">
    <button type="button" onclick="alert('Click to go Google')">
        Google
    </button><br>
</a>
<!-- disabled make button not clickable -->
<button disabled type="button" onclick="alert('Hello
      Hussin')">Disabled</button><br><br><br>
<!-- button submit & reset you can create them through just <form>
      tag : submit to send data to server with php & js, reset :
      delete data from <input> -->
<form action="">
    Email : <input type="email" name="email"><br>
    Password : <input type="password" name="password"><br>
               <button type="submit">Submit</button><br>

               <!-- We use type="reset" to delete data from <input> -->
               <button type="reset">Reset</button><br>
</form><hr>
```

More ex:

```
<span>disabled btn :</span>
<br>
<a href="https://google.com"><button disabled type="button"
    onclick="alert('Hello, ..')"> Test button</button>
</a>
<br><br>
<span>Without disabled btn :</span> <br>
<a href="https://google.com">
    <button type="button" onclick="alert('Hello, ..')">
        Test button</button>
</a>
<br><br>
<button type="menu">Menu</button>
- type="button, menu, submit, reset".
- type="menu: Now you not need, most of Browser didn't support".

<br><br>
<button type="button">Just Btn</button>
<!-- type="button" -->

<br><br>
<button type="submit">Submit</button>
<!-- type="submit" -->
<br><br>

<form>
    Email: <input type="email" name="email">
    <!-- type="email" name="email" --> <br>
    <br> Password: <input type="password" name="password">
    <!-- type="password" name="password" --> <br><br>
    <button type="submit">Submit</button>
    <button type="reset">Reset</button>
    <!-- type="reset" -->

</form>
<form action="">
```

```
<br> <hr>
Text: <input type="text" required placeholder="Please
      fillout this field" name="" minlength="3" maxlength="6"
      value=""> <br><br>

Date: <input type="date" required name="date"
      min="1900-01-01" max="2022-01-01" /> <br><br>
Image: <input type="image" src="img/html-01.jpg" required
      name="image" width="33" /> <br><br>
Range: <input type="range" required name="range" /> <br><br>
Radio : <input type="radio" required name="radio" />
       <input type="radio" required name="radio" />
       <input type="radio" required name="radio" /> <br><br>
Number: <input type="number" required name="number" /><br><br>
Email: <input type="email" required name="email" /><br><br>
PW: <input type="password" required name="password" /><br><br>
Submit: <input type="submit" required name="submit" /><br><br>
Reset: <input type="reset" required name="reset"/><br>
Search: <input type="search" placeholder="Please
        fillout this field" required name="search"/><br><br>
Tel: <input type="tel" required name="tel"/><br><br>
Time: <input type="time" required name="time"/><br><br>
URL: <input type="url" required name="url"
     placeholder="Please fillout url" />

</form>
<br>
<hr>
```

Lesson (18) v (19) <input> Element:

Needs Review:

```
<!-- Kinds of input -->
<form dir="rtl" method="get" action="https://www.google.com">
  Are you married:<input type="checkbox" checked name="married"
  value="yes"><br><br>
Search: <input type="search" maxlength="8"><br>
<input type="range" max="200"><br>
<input type="number" name="" id=""><br>
<input type="hidden" name="month" value="December"><br><br>
<input type="month" name="month"><br><br>
<input type="week" name="week"><br><br>
<input type="date"><br><br>
<input type="color"><br><br>
<input type="text"><br><br>
<input type="time"><br><br>
<input type="password"><br><br>
<!-- <input type="url" name="url"><br><br> -->
<button type="submit">Send Data</button>
<input type="reset"><br><br>
<!-- color url method="post" method="get"-->
</form> <br>
```

Ex:

```
<!-- Often use <input> element with programming languages like
      PHP JS .. etc.
      there are a lot of kinds of input as type="text,.."-->
<!--
  It has also has many features:
  Through name=" you can send data to the server inside <form>
  that we write in <input>.
placeholder="Hint".
required it means that filling out <input> necessary, and data
will not send to the server if we will not fill out this
it works just when use <form>.
```

```
Value="" to define default value for <input> element, user able
to change or let it, as value="Name Coder Shiyar or date".
-->
<!-- min max maxlength="" minlength="" required name="" -->
<!-- you can use feature min max for type="date"
      you can use feature maxlength="" minlength="" for
      type="text, email, password, tel"
      you can use feature required for type="all elements"
      you must be use feature name="" for all fields <input>
      elements inside <form>
      -->
<!-- text -->
<!-- <input type="text" name="text" placeholder="text" required
      value="Coder Shiyar" /><br> -->
<!-- email -->
<!-- <input type="email" name="email" placeholder="Please, put
      email here " /> -->
<!-- password -->
<!-- <input type="password" name="password" placeholder="password"
      /><br> -->
<!-- date -->
<!-- <input type="date" name="date" value="2022-08-01"
      required/><br> -->
<!-- tel -->
<!-- <input type="tel" name="tel" placeholder="Please, write phone
      number" required/><br> -->
<form action=" ">
  <input type="text" name="text" placeholder="text"
    minlength="3" required/><br>
  <input type="email" name="email" placeholder="Please, write
    email" required/><br>
  <input type="date" name="date" min="1990-01-01" max="2000-01-
    01" value="2000-01-01" required/><br>
  <button type="submit">Register</button>
</form>
<br>
```


Lesson (19) v (20) Create form login:

```
<!--
- When we want Arabic text we add dir="rtl" to <body> or <form>
  to change direction
- When we want to add * => "required" we add <span>*</span> to
  <label>
-->
<form action=" ">
  <table>
    <tr>
      <td>
        <label style="color:red;">Email:</label><span>*</span></td>
      <td>
        <input type="email" name="email" placeholder="Please,
          write email" required/><br>
        </td>
      </tr>
      <tr>
        <td><label> Password :</label></td><br>
        <td>
          <input type="password" name="password" required/><br>
          </td>
        </tr>
      <tr>
        <td><button type="submit"> Login : </button> </td><br>
        <td><a href="register.html"> Create account : </a></td>
      </tr>
    </table>
```

Ex:

```
<form dir="rtl">
  <table>
    <tr>
      <td>
        <h3>اختر الجنس</h3>
      </td>
    </tr>
    <tr>
      <td><label> ذكر</label></td>
```

```

        <td><input type="radio" name="gender" value="ذكر"
            required><br>
        </td>
    </tr>
    <tr>
        <td><label>أنثى</label></td>
        <td><input type="radio" name="gender" value="انثى"
            required> <br></td>
    </tr>
    <hr>
    <tr>
        <td>
            <h3>اختر لغتك</h3>
        </td>
    </tr>
    <tr>
        <td><label>اللغة الكردية</label></td>
        <td><input type="radio" name="lang" value="اللغة الكردية"
            required autofocus></td>
    </tr>
    <tr>
        <td><label>اللغة العربية</label></td>
        <td><input type="radio" name="lang" value="اللغة العربية"
            required checked></td>
    </tr>
    <tr>
        <td><label>اللغة الانجليزية</label></td>
        <td><input type="radio" name="lang" value="اللغة الانجليزية"
            required disabled></td>
    </tr>
    <tr>
        <td><button type="submit">إرسال</button><br></td>
    </tr>
    <!-- autofocus checked defaultchecked disabled name value-->
</table> <hr>
</form>

```

Lesson (20) v (21) select option:

We use the select option to choose one of many in the list of options, it has many features as follows:

Name=", disabled, size=", multiple, autofocus, required.

```
<div style="max-width:400px;margin:auto;">
  <form method="GET">
    <label for="">Language : </label>
    <select autofocus size="1" name="lang" id="">
      <!-- Note: multiple or size="2" or more-->
      <option name="" value="">Choose language</option>
      <option name="" value="arabic">Arabic</option>
      <option name="" value="english">English</option>
      <option name="" value="french" disabled>French</option>
    </select>
  </form>
</div><br><hr>
```

Ex:

```
<!-- ex: -->
<div style="max-width:400px;margin:auto;">
  <form method="GET"><label for="">Language: </label><select
    autofocus multiple name="lang" id="">
    <!-- Note: multiple or size="2" or more-->
    <option name="" value="">Choose language</option>
    <option name="" value="arabic">Arabic</option>
    <option name="" value="english">English</option>
    <option name="" value="french" disabled>French</option>
  </select>
</form>
</div><br>
<div style="max-width: 400px; margin:auto;">
  <form method="GET"><label>Gender :</label><select autofocus
    size="1" name="gender" id="">
    <!-- Note: multiple or size="2" or more-->
    <option name="" value="">Choose gender</option>
    <option name="" value="arabic">Male</option>
```

```

    <option name="" value="english">Female</option>
    <option name="" value="frinsh" disabled>Other</option>
  </select>
</form>
</div><br>
<div style="max-width:400px; margin:auto;">
  <form method="GET">
    <label>Color :</label>
    <select autofocus size="1" name="gender" id="">
<!-- Note: multiple=>Show all & size="2" or more .. To show choose
or more as number -->
    <option name="" value="">Choose color</option>
    <option name="" value="red">Red</option>
    <option name="" value="green">Green</option>
    <option name="" value="blue">Blue</option>
    <option name="" value="yellow" disabled>Yellow</option>
  </select>
</form>
</div><br><hr>

```

Ex:

```

<!-- Follow Lesson (19)v(20) select option either-->
<form dir="rtl">
  <table>
    <tr>
      <td>
        <h3>اختر الجنس</h3>
      </td>
    </tr>
    <tr>
      <td><label>ذكر</label></td>
      <td><input type="radio" name="gender" value="ذكر"
        required><br>
      </td>
    </tr>
    <tr>
      <td><label>أنثى</label></td>
      <td><input type="radio" name="gender" value="أنثى"
        required> <br></td>
    </tr>
  </table>

```

```

</tr>
<hr>
<tr>
  <td>
    <h3>اختر لغتك</h3>
  </td>
</tr>
<tr>
  <td><label>اللغة الكردية</label></td>
  <td><input type="radio" name="lang" value="اللغة الكردية"
    required autofocus></td>
</tr>
<tr>1
  <td><label>اللغة العربية</label></td>
  <td><input type="radio" name="lang" value="اللغة العربية"
    required checked></td>
</tr>
<tr>
  <td><label>اللغة الانجليزية</label></td>
  <td><input type="radio" name="lang" value="اللغة الانجليزية"
    required disabled></td>
</tr>
<tr>
  <td><button type="submit">إرسال</button><br></td>
</tr>
<!-- autofocus checked defaultchecked disabled name value-
->

</table>
<hr>
</form>

```

Lesson (21) v (22) Register <fieldset>:

We use <fieldset> to write data organize inside frames ..

```
<fieldset>
  <legend>Register</legend>
  <form action=""><br>
    <table>
      <tr>
        <td><label>Full name :</label></td>
        <td><input type="text"></td>
        <!-- <td></td> -->
      </tr>
      <tr>
        <td><label>Nationality :</label></td>
        <td><input type="text"></td>
        <!-- <td></td> -->
      </tr>
      <tr>
        <td><label>Email :</label></td>
        <td><input type="email"></td>
        <!-- <td></td> -->
      </tr>
      <tr>
        <td><label>PW :</label></td>
        <td><input type="password"></td>
        <!-- <td></td> -->
      </tr>
      <tr>
        <td><label>Conformation PW :</label></td>
        <td><input type="password"></td>
        <!-- <td></td> -->
      </tr>
      <tr>
        <td></td>
        <td><input type="submit"></td>
        <td><input type="reset"></td>
      </tr>
    </table>
```

```
        <br>
    </form>
</fieldset>
```

Ex: .. follow Register ..

```
<h2>Register here</h2>
<form>
    <table>
        <tr>
            <td><label>Email:</label></td>
            <td><input type="email" name="email" required><span
                style="color:red;">*</span></td>
        </tr>
        <tr>
            <td><label>PW:</label></td>
            <td><input type="password" name="password"
                required><span style="color:red;">*</span></td>
        </tr>
        <tr>
            <td><button type="submit">Save</button></td>
        </tr>
    </table>
</form>
```

Lesson (22) v (23) Comment:

We use a comment to:

- write notes inside.
- Sometimes you have codes and don't need them and you don't want to show them to users.
- Stop running codes or block, notes to not show and ignore them from the browser.
- To write a collection of code inside an HTML file and don't want to run and ignore them when you work for a company with a team and you want to send the project to the team for reading, review, and modification, then they need to be explained.

Ex:

```
Ex:
<br>
    <!-- Comment    -->
<!--        -->
<br>
```


Lesson (23) v (24) radio:

We use radio when there are a number of choice ..

```
<form action="">
  <label for="">Gender: </label>
  <label for="">Male</label>
    <input type="radio" autofocus checked name="gender"
      value="male">
  <label for="">Female</label>
    <input type="radio" defaultchecked name="gender"
      value="female">
  <label for="">Other</label><input type="radio"
    disabled name="gender" value="other">
  <button type="submit">Send</button>

<!-- Note: There many features in Radio element as following:
  autofocus,
  checked,
  defaultchecked,
  disabled,
  required
-->
</form>
<br>

<form action="">
  <table>
    <tr>
      <td>Language :</td>
    </tr>
    <tr>
      <td><label for="">Arabic</label></td>
      <td><input type="radio" autofocus defaultchecked
        name="language" value="arabic">
      </td>
    </tr>
    <tr>
      <td><label for="">English</label></td>
```

```
        <td><input type="radio" checked name="language"
            value="english"></td>
    </tr>
    <tr>
        <td><label for="">Frinch</label></td>
        <td><input type="radio" disabled name="language"
            value="frinch"></td>
    </tr>
    <tr>
        <td><label for=""></label></td>
        <td><button type="submit">Send</button></td>
    </tr>
</table>
</form><br>
```

Lesson (24) v (25) <input type="file">:

```
<p onclick="document.getElementById('file').click()">Press here</p>
<button type="button" onclick="document.getElementById('file')
    .click()">Choose file</button>
<input id="file" style="display: none;" type="file"
    accept=".jpg" name="file" required/>
<!-- This element has many values it's kinds of files as :
    accept=" image/*,video/*, audio/*,.pdf,.doc," required=>Here
        it's important -->
    <button type="submit">Send</button>
</form>
<br>
.. max="100" /><br>
<!-- It needs review .. some thing deleted -->
Just write number: <input type="number" name="num" /><br>
Write number & number: <input type="text" name="text" /><br>
<button type="submit ">Send data</button>
</form><br>
```

Ex:

```
<!-- input file .. From the Register page -->
<form dir="rtl">
    <p onclick="document.getElementById('file').click()">اضغط هنا لرفع ملف</p>
    <button type="button" onclick="document.getElementById(
        'file').click() ">اختر ملف</button>
    <input id="file" style="display:none; " type="file" accept=
        ".pdf,.doc" name="file" required>
    <button type="submit">رفع ملف</button><br>
    <!-- video/* image/* audio/* .pdf .doc-->
</form>
<br><hr>
```

Lesson (25) v (26) input kinds <input type="color">:

```
<form method="GET" action="http://livesport.shiyarjemo.com"> <br>
<input type="color" /><br>
<input type="url" placeholder="write url" name="url" /> <br>
<input type="date" name="date" /> <br>
<input type="week" name="week" /> <br>

    <!-- <input type="year" name="year" /><br><br>-->
Hidden: .. <input type="hidden" name="hidden" value="december"/><br>
<input type="month" checked name="month" /><br>
Have you a car?
<input type="checkbox" name="car" value="yes" /><br>
<input type="month" name="month" /><br>
Have you a car?
<input type="checkbox" checked name="car" value="yes" /><br>
Have you a bick?
<input type="checkbox" name="bick" value="yes" /><br>
<input type="search" name="search" placeholder="Please write
    words" maxlength="7" /><br>
<input type="range" name="range" max="100"/> <br>
Just write number:
    <input type="number" name="num" /><br>
Write number & number:
    <input type="text" name="text" /><br>
    <button type="submit">Send data</button>
</form>
<br>
<hr>
```

Lesson (26) v (27) <meta charset="UTF-8">:

```
<meta name="viewport" content="width=device-width, initial-  
scale=1.0">
```

```
<!-- Lesson (26) v (27) <meta charset="UTF-8"> &  
  <meta name="viewport" content="width=device-width, initial-  
    scale=1.0">-->  
<meta charset="UTF-8">  
<meta name="viewport" content="width=device-width, initial-  
scale=1.0">
```

Lesson (27) v (28) Create website multiple pages:

<!--When we create a website with multiple pages, we do following:

- From File click New.
- Save the new file with index.html.
- Choose a name for this file>
- Add the number of files we need.
- Choose files' names such as about.html, courses.html, contact.html, login.html -->

```
<a href="index.html">Home</a>
<br>
<a href="about.html">About</a>
<br>
<a href="courses.html">Courses</a>
<br>
<a href="contactus.html">Contact us</a>
<br>
<a href="login.html">Login</a>
<br>
```

Lesson (28) v (29) <meter> tag:

We need <meter> to show something as Student grades, levels, ..etc.

Ex:

```
danger 10 :<meter min="0" max="100" value="10" low="50" high="70"
           optimum="100"></meter>
```

```
<br>
```

```
middle 50 :<meter min="0" max="100" value="50" low="50" high="70"
           optimum="100"></meter>
```

```
<br>
```

```
excellent 70 :<meter min="0" max="100" value="70" low="50"
              high="70" optimum="100"></meter>
```

```
<!--
```

- low="50" high="70" optimum="100" value="0-49" If value="" less than low, the color is red (danger).
- low="50" high="70" optimum="100" value="50-69" If value="" equal or upper than low & less than high the color is yellow (middle).
- low="50" high="70" optimum="100" value="70-100" If value="" equal or upper than high & equal or less than optimum the color is green (excellent) ..

```
-->
```

```
<br>
```

Ex:

```
<table dir="rtl">
  <tr>
    <td>الطالب الاول</td>
    <td>
      <meter min="0" max="100" value="90" low="50" high="70"
            optimum="100">
    </td>
  </tr>

  <tr>
    <td>الطالب الثاني</td>
```

```
<td><meter min="0" max="100" value="60" low="50" high="70"
        optimum="100">
</td>
</tr>

<tr>
<td>الطالب الثالث</td>
<td><meter min="0" max="100" value="40" low="50" high="70"
        optimum="100">

</td>
</tr>

</table>
<hr>
<!-- meter::-webkit-meter-bar{background:#fdff;} bg-color
meter::-webkit-meter-optimum-value{background:green;}
meter::-webkit-meter-optimum-value{background:orange;}
meter::-webkit-meter-even-less-good-value{background:red;}
-->
</meter>
```


Lesson (29) v (30) textarea:

```
<form action="">
  <textarea name="SMS" required id="hussin" cols="0" rows="3"
    maxlength="23" autofocus placeholder="Write msg">
</textarea><br>
  <!-- name="SMS" required id="" cols="We don't need it"
    rows="" maxlength="All letters in the msg" autofocus
    placeholder=""
  -->
  <button type="submit" name="msg">Send msg</button>
</form>
```

Ex:

```
<form>
  <input type="text"><br><br>
  <textarea autofocus name="" id="" cols="60"
    rows="8" placeholder="ضع رسالتك هنا" name="sms"
    required>
  </textarea><br>
  <button type="submit">ارسل رسالة</button>
  <!-- textarea: placeholder autofocus cols rows maxlength  name
    required value-->
</form>
```

Lesson (30) v (31) iframe:

```
<iframe src="https://academy.codershiyar.com" target="_blank"
        width="50%" height="400" allowfullscreen frameborder="0"
        sandbox=" allow-forms allow-popups allow-modals allow-
                  same-origin allow-scripts allow-top-navigation
">

</iframe>
<!-- sandbox=" allow-forms,allow-models,allow-pointer-lock,allow-
allow-popups,allow-popups-to-escape-sandbox,allow-same-
origin,allow-scripts,allow-top-navigation" -->
<!--

iframe:
        src
        allowfullscreen
        width
        height

allow-top-navigation Enables an extra set of restrictions for the
content in an
<ifram>
-->

<br>
<hr>
<iframe src="iframe.html" width="50%" height="400" allowfullscreen
frameborder="0" sandbox="">
</iframe>
<!-- sandbox="allow- ..... as above " -->
<br>
<hr>
```

Lesson (31) v (32) <hr> or <hr/> How to add line under paragrah:

```
<h2>Coder Shiyar</h2>
<hr style="background: red; height:4px; border:0px;">
<h2>Learn HTML</h2>
<br>
<hr>
```

Lesson (32) v (33) <pre> </pre>

```
<p>
  I like to learn : 1.HTML. 2.CSS. 3.JS.
</p>
<pre>
  I like to learn :
  1.HTML.
  2.CSS.
  3.JS.
</pre>
<br> <hr>
```

Lesson (33) v (34) <div> :

<!-- Deference between <div> & :
<div> Block.
* & <label> inline.*
->

```
<h1>DIV : Coder
  <div>Shiyar</div>
</h1>
<h1>SPAN : Coder <span>Shiyar</span></h1>
<br>ex:
<h1>DIV : Coder
  <div></div>
```

```
</h1>
<h1>SPAN : Coder <span></span></h1>
<br>ex:
<div>
  Coder
  <h2>Shiyar</h2>
</div>
<span>
  Coder
  <h2>Shiyar</h2>
</span>

<br>ex:
<div>
  Coder
  <p>Shiyar</p>
</div>
<span>
  Coder
  <p>Shiyar</p>
</span>

<br>ex:
<div>
  Coder
  <label>Shiyar</label>
</div>
<span>
  Coder
  <label>Shiyar</label>
</span>
<br>
<hr>
```

Lesson (34) v (35) google maps:

```
<iframe
src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d2735.692102
8982188!2d13.142673181941525!3d32.58969544904234!2m3!1f0!2f0!3f0!3m2!1
i1024!2i768!4f13.1!3m3!1m2!1s0x0%3A0x9242306d38be14cd!2zMzLCsDM1JzIyLj
kiTiAxM8KwMDgnMTguNCJF!5e1!3m2!1sar!2sly!4v1659082535034!5m2!1sar!2sly
"
    width="60%" height="300" style="border:0;" allowfullscreen=""
    loading="lazy" referrerpolicy="no-referrer-when-downgrade">
</iframe>
<br>
<hr>
```

Lesson (35) v (36) File path:

```
<!-- One -->


<!-- Two -->


<!-- Three -->


<br>
<hr>
```

Lesson (36) v (37) <bdi>:

```
<!--We use this tag incase the website in Arabic language -->
```

```
<p dir="rtl">اسمس بالانجليزية : Coder Shiyar</p>
```

```
<!-- incase the website not Arabic as English language -->
```

ex:

```
<p>User : 2022 شيار</p>
```

```
<!-- ُ We write as following : -->
```

```
<p>User : <bdi>شيار</bdi> 2022</bdi>
```

```
</p>
```

```
<hr>
```

Lesson (37) v (38) Structure (1) "New elements in HTML:5":

```
<div id="content">
  <header></header>
  <nav></nav>
  <aside></aside>
  <main>
    <article>
      
      <h3 style="margin:0px;background: white; padding:5px
0px;
      ">HTML</h3>
    </article>
    <article></article>
    <article></article>
    <article></article>
    <article></article>
    <article></article>
  </main>
  <footer></footer>
</div>
```

Lesson (38) v (39) Structure (2):

```
<!-- <header></header>
<nav></nav>
<main></main>
<aside></aside>
<section></section>
<article></article>
<footer></footer> -->
<br>
<hr>
```

Lesson (39) v (40) <sub> <sup>:

```
<!-- superscript element -->
<p>111 <sup>3</sup></p>
<p>0<sup>3</sup></p>
<p>H<sup>2</sup></p>
<p>He<sup>4</sup></p>
<p>My name is :<sup> Hammed</sup></p>

<br>
<!-- subscript element -->
<p>111 <sub>3</sub></p>
<p>My name is :<sub> Hammed</sub></p>
<br>
<hr>
```

Lesson (40) v (41) <fieldset> <legend>:

```
<!-- English -->
<fieldset>
  <legend> Contact us with En</legend>
  <h3>Phone : 00218333333</h3>
  <h3>Email : html@mail.com</h3>
</fieldset>
<br>
<hr>
<!-- Arabic -->
<fieldset dir="rtl">
  <legend> اتصل بنا بالعربي</legend>
  <h3>هاتف: 0021855443</h3>
  <h3>بريد إلكتروني : html@email.co</h3>
</fieldset>
<br>
<hr>
```

Lesson (41) v (42) id="" class="":

```
<!-- <h3 id="h_id">coder Shiyar</h3> -->
<h1 class="h_class h1_class">coder Shiyar</h1>

<!-- <p id="h_id">Learn HTML</p> -->
<p class="h_class">Learn HTML</p>
<p class="h1_class">Learn HTML</p>
<br>
<hr>

<h1 id="h_id">Learn HTML</h1>
<h1 id="h_id">Learn HTML</h1>

<script>
  document.getElementById("h_id").innerHTML = "تعلم لغة النص";
</script>
```

Ex:


```

<label id="title_id">HOUSSIN AIAD</label>
  <h1 class="title_class h1_class">Hussin Aiad</h1>
  <p class="title_class h1_class"> Hussin Aiad</p>

  <h2 id="title_iid">AIAD KAROUD </h2>
  <h2 id="title_iid">AIAD KAROUD</h2>

  <br>
  <hr>

```

Lesson (42) v (43) link type icon:

- We write <link type="icon" src="img/001.ico"> inside <head> tag.
- <link rel="icon" href="img/coding.ico">.

<!--

- This tag to show an icon on top tap near <title> in Browser.
- We can add one for another HTML pages inside the website.
- It appears on result search pages & Social Media websites.
- Otherwise, it appears as an Earthmap. -->

```

<!-- <link rel="shortcut" href="img/coding.ico"> -->
<!-- this link for searchengin, recommended for "SEO" -->
<!-- <link rel="apple-touch-icon" href="img/coding.ico"> -->
<!-- this link for all devices that work on the apple system -->

```

```

<!-- The ex above in <header> -->
<!-- We write this tag to show icon on browser, you can put icon
      for any page -->

```

Ex:

```

<link rel="icon" type="" href="img/jar_0950000.jpg">
<!-- We write this tag for search engin, Recommended for SEO -->
<link rel="shortcut" href="img/jar_0950000.jpg">
<!-- We write this tag all apple devices -->
<link rel="apple-touch-icon" href="img/jar_0950000.jpg">

```

Lesson (43) v (44) SEO for html elements:

<!-- Compulsory elements to show our website on search engine & social media -->

<!-- عناصر اجبارية لظهور موقعك في محركات البحث ومواقع التواصل الاجتماعي وهي: -->

1. <meta charset="UTF-8 ">

<!-- This element below for title, it is important for all pages -->

2. <title>Coder Shiyr</title>

<!-- This element below to describe page, Description relative with title, it is important for all pages, in the main page we put the name of website, in the other pages we put any name we like

-->

3. <meta name="description" content="Coder Shiyr is IT programming engineer">

<!-- This element for make websites support all symboles and other letters & Arabe language, it is important for all pages

-->

4. <meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- This element to show websites better on mobile, it is important for all pages.

لجعل الموقع يظهر بشكل صحيح في الهواتف

-->

<!-- These Two elements below is optional maybe help to show the website on searchengin.

عناصر اختيارية قد تساعد في تحسين ظهور موقعك في محركات البحث ومواقع التواصل وهي:

-->

5. <meta name="keywords" content="">

<!-- This element is optional maybe help to show the website on searchengin, add keywords, to get best keywords.

Note: This website help to get keywords you can use it:

<https://rapidtags.io/generator/>

-->

<!-- we choose key words from the website above as: html, learn html, programming, ..etc. -->

```
6. <meta name="author" content="Coder Shiyar">
```

```
<!-- This element to define searchengin the name of auther & and  
we see it on results google search page near title, and to show  
name of auther to others.
```

لتعريف محركات البحث باسم مؤلف الصفحة ، وتعرض في صفحة نتائج بحث جوجل جنب العنوان لتعريف المؤلف نفسه للآخرين او لمحركات البحث.

```
--> <br><hr>
```

Ex:

Lesson(43) video(44) HTML elements for "SEO":

```
<!-- We write inks inside <head> tag for SEO, it is necissory to  
show the website on searchengin: and to avoid your website  
Don't know some of symboles & letters languages as arabic -->
```

```
<!-- 1: <title>Website Name</title> -->
```

```
<!-- this tag for page title,it is necessary on all pages -->
```

```
<!-- 2: <meta name="description"> -->
```

```
<!-- this tag for page description as "Coder Shiyar is IT engineer"-->
```

```
<!-- 3: <meta charset="UTF-8"> -->
```

```
<!-- this tag for symbles or arabic language or other languages,  
it is necessary on all pages -->
```

```
<!-- We write links inside <head> tag for mobile devices, it is  
optional: -->
```

```
<!-- 4: <meta name="viewport" content="width=device-width,  
initial-scale=1.0"> -->
```

```
<!-- this Two meta tags maybe help to improve the website on  
searchengin -->
```

```
<!-- 5: <meta name="keywords"> -->
```

```
<!-- this website the best to help for get good keywords ..
```

```
https://rapidtags.io/generator <meta name="keywords" content="Lessons  
of programming, html,learn html, Coder shiyar,learn html,html,html  
tutorial,html tutorial for beginners,html for beginners,html5,html  
course,html5 tutorial,html css tutorial,html css,learn html and  
css,introduction to html,learn html in hindi,html 5,html basics,learn
```

```
to code,learn html for beginners,html crash course,html
coding,learn,html tags,learn html5,learn css,learn html 2022,learn
html fast,learn html in nepali,learn html in minutes,html full
course,learn html full course">-->
```

```
<!-- 6: <meta name="author"> content="Coder Shiyar"-->
<!-- this link for know searchengin and others with author -->
```

Lesson (44) v (45) HTML elements <address><code><abbr><dfn>:

```
<!-- You can write inside this items title or link -->
```

```
<address> Email : tst@mymail.co</address>
```

```
<!-- The result, show you italic line, It is block like <p> &
<div> -->
```

```
<abbr title="Hyper Text Markup Language">HTML</abbr><br>
```

```
<!-- The result, show you "Hint", inline -->
```

```
<code> Phone : +218 90 404 0556</code><br>
```

```
<!-- The result, show you nice line like code, inline like <span>
-->
```

```
<dfn> Phone : +218 93 444 5556</dfn>
```

```
<!-- The result, show you italic line, inline like <span> -->
```

ex:

```
<address>Phone:+218919011223</address>
```

```
<!--
```

```
- <address> address <address/> like <p> & <div> we can write
text inside it, but there is one deferent between, just we
write address inside .. phone number, email, links, +
font=italic
```

```
- Just italic text title, we can write inside any phone email
link text or paragraph -->
```

Ex:

```
<div>002180001122</div>
  <!-- <div> new line -->
<p>002180001122</p>
<p>Phone:+218919011223</p>
  <!-- <p> new line -->
<!-- Not italic text title as above -->
<abbr title="Hyper Text Markup Language">HTML</abbr>
<!-- Just hint, we can write to explained any terms "inline"--
><br>
<code>Phone:+218919011223</code><br>
<!-- Just for format text or paragraph, we can write beautiful
      text or paragraph with this tag "inline"-->
<dfn>Phone:+218919011223</dfn>
<!-- just for italic text or paragraph as above "inline" -->
<br>
<hr>
```

Lesson (45) v (46) facebook meta tags:

```
<!-- We add this meta tags inside <head> and on all pages in our
      website when we publish it, it appears how to show your pages
      when someone shares it on Facebook, and show our website pages
      as we wish and best.
-->
<!--
      open graph
      <meta property="og:title" content="Coder Shiyar : IT Teacher"/>
      <!-- This tag to show title -->
```

```

<meta property="og:description" content="Coder Shiyar is IT
engineer & teacher"/>
  <!-- This tag for show description as define text, for
searchengin -->
<meta property="og:image" content="from folder or from net"/>
  <!-- This tag for show normal image -->
<meta property="og:image:width" content="1200 or 600 or other
style"/>
  <!-- This tag is default, to define an image, if the image
is small size of it shows as small.
-->
<meta property="og:og:image:height" content="600 or 315 or
other style"/>
  <!-- This tag is default, to define image heigh, if the
image is big size, it shows as big.
-->
<meta property="og:url" content=""/>
  <!-- For define the page link where we add features, You
better not do it if you are beginner, maybe cause
problems
-->
<meta property="og:type" content="type of page: website or
article"/>
  <!-- This tag defines the type of page where we add this
items, inside website or article -->
-->

```

Lesson (46)v(47) How to upload files on your website:

```

<a href="html-i-01.ico" download="logo.ico">
  upload photo file
</a><br>
<a href="audio/bolblySound.mp3" download="blblSound.mp3">
  upload audio file
</a><br>

```

```
<a href="video/knary.mp4" download="kn.mp4">
    upload video file
</a><br>
<a href="pdf-file/ASP.NET_12.pdf" download="tst.pdf">
    upload pdf file
</a>
```

Ex:

```
<a href="js-0.jpg" download="logo.jpg">
    Upload photo file
</a><br>
<a href="audio/birdsSound.mp3" download="birds.mp3">
    Upload audio file
</a><br>
<a href="video/system.mp4" download="system.mp4">
    Upload video file
</a><br>
<a href="pdf-file.pdf" download="tst.pdf">
    Upload pdf file
</a>
<br>
```

Ex:

```
<a href="copy.jpg" download="copyy.jpg" target="_blank">
    Download File (1)
</a><br>
<a href="alekhlash.mp3" download="alekhlash.mp3"
    target="_blank">
    Download File (2)
</a><br>

<a href="navy.mp4" download="navyy.mp4" target="_blank">
    Download File (3)
</a><br>
<a href="neverbesickagain.pdf" download="neverbesickagainnn.pdf"
    target="_blank">
    Download File (4)
</a><br>
```

Lesson(47)v(48) blockquote paragraph & center(quote = اقتباس):

<!-- <q> text </q> => "text", the result is text between double quotation, It is inline like -->

```
<q>Coder shiyar</q>
```

```
<span>Coder shiyar</span>
```

<p>Coder shiyar</p> <!-- block => new line -->

```
<hr>
```

```
<div style="background: rgb(118, 140, 200); width:200px;text-align:center;">
```

```
Learn HTML
```

```

```

```
</div>
```

Ex:

```
<blockquote cite="http://codershiyar.com">
```

```
Coder Shiyar
```

```
</blockquote>
```

<!-- blockquote => اقتباس & you can add cite="", & with this element you can add spaces around the text up down left right equal = 40px -->

<!-- add spaces left & right text, This item often did not used -->

EX:

```
<center style="background: red;">
```

```
Learn HTML
```

```

```

```
</center>
```

```
<hr>
```

<!-- Center -->

```
<center style="font-size: 72px; ">
```

```
<h1>HTML</h1>
```

```
</center><br>
```


Ex:

```
<center style="font-size: 72px; ">
  <span>
    <h1>H</h1>
    <h1>T</h1>
    <h1>M</h1>
    <h1>L</h1>
  </span>
  <!-- important as a page title -->
</center><br>
```

Ex:

```
<center style="background: white;font-size: 155px; ">
  <span style="background: white;color:green; ">H</span>
  <span style="background: white;color:red; ">T</span>
  <span style="background: white;color:yellow; ">M</span>
  <span style=" background: white;color:blue; ">L</span>

</center><br>
```

```
<div style="background: rgb(118, 140, 200);">
  Learn HTML
  
</div><br>
```

```
<center style="background: red; width:200px;">
  Learn HTML
  
</center>
<br>
```

```
<q>Coder shiyar</q><br>
<!-- inline -->
<p><q>Coder shiyar</q></p>
<!-- You can put it in paragraph -->
<span>Coder shiyar</span>
<!-- inline -->
<p><span>Coder shiyar</span></p>
<!-- You can put it in paragraph either-->
<!-- Center element -->
```

```

<center style="background:red;width:200px;">
  Coder shiyar
  
</center>
<!-- put element in center line-->
<div style="background:green;width:200px;text-align:center;">
  Coder shiyar
  
</div>
<!-- put element in start line -->
<blockquote cite="https://codershiyatr.com">
  Coder shiyar
</blockquote>
<!-- It will not show cite="https://codershiyatr.com" for users,
      just you can write it-->
<p>
  Coder shiyar
</p><br>

```

Lesson (48) v (49) شرح عنصر script وميزة contenteditable:

```

="true or false" It's new property run on all browsers, you can
use any element as <div> or <p> .. etc. -->
<!-- contenteditable="true or false " with this item we can make
      changes in the text when we use true -->
<h1 contenteditable="true ">I want learn how to be a designer. </h1>
  <div contenteditable="true ">
    I want to learn how to be a designer.
  </div>

```

Ex:

```

<h1 contenteditable="true">I want to learn web design</h1>
<h1 contenteditable="false">I want to learn web design</h1> -->
<!-- ex (1): -->
<span id="text">I want to learn web design</span>

```

```

<button onclick="save()" type="button">Save</button>
<button onclick="edit()" type="button">Edit</button>
<script>
    function save() {
        document.getElementById("text").contentEditable = "false";
    }
    function edit() {
        document.getElementById("text").contentEditable = "true";
    }
</script>

```

Ex:

contentEditable="true or false" property & script element

```

<h1 contentEditable="true">I want to learn website design</h1>
<!-- With contentEditable="true" property you can edit content
      in this element on page-->

```

```

<h1 contentEditable="false">I want to learn website design</h1>
<!-- With contentEditable="false" property you can't edit
      content in this element on page, now it is unactive. -->
<!-- ex: with js -->
<span id="text">Coder Shiyar</span>
<button onclick=" save()" type="button">Save</button>
<button onclick=" edit()" type="button">Edit</button> <br>

```

Ex:

```

function edit() {
    document.getElementById('text').contentEditable = "true";
}
function save() {
    document.getElementById('text').contentEditable = "false";
}
< ..... revers ..... >

function edit() {
    document.getElementById('text').contentEditable = "true";
}

```

Lesson (49)v(50) dialog element <dialog id="" open><dialog>:

```
<!-- dailog .. we see it in Center of page -->
  <dialog id="" open>...</dialog>
<button onclick="openDialog()">Open dialog</button>
<dialog id="box">
  <h2>HTML icon</h2>
  <br>
  <button onclick="closeDialog() ">Close</button>
</dialog> <br>
<script>
  function openDialog() {
    document.getElementById("box").setAttribute("open", "true");
  }
  function closeDialog() {
    document.getElementById("box").removeAttribute("open");
  }</script>
```

Ex:

```
<button onclick="openDialog()">Show more </button>
<dialog id="box">
  
  <h1>Java Script</h1>
  <p>Lorem ipsum dolor sit amet. </p>
  <button onclick="closeDialog()">Close</button>
</dialog> <br>
```

Ex:

```
<button onclick="opendailog() ">More Details</button>
<dialog id="box">
  <h1>Coder Shiyar</h1>
  <br>
  <button onclick="closedailog() ">Close</button>
</dialog><br>
<script>
  function opendailog() {
    document.getElementById("box").setAttribute("open", "true");
  }
  function closedailog() {
    document.getElementById("box ").removeAttribute("open");
  }</script>
```

Ex:

```
// .....follow dialog .....

function openDialog() {
    document.getElementById('box').setAttribute("open",
"true");
}

function closeDialog() {
    document.getElementById('box').removeAttribute("open");
}
```

Lesson (50) v (51) Twitter meta tag & Blogger, How to show your website when publish on Twitter:

```
<!--
- Twitter meta tag => inside <header> -->
- twitter meta tag, how to show your website when you publish
  it on Twitter, if use this tag it will be good when sharing it
  on Twitter, you can specify a different view for each page in
  your Website, you can control how your page is displayed when
  you publish it on twitter.
- With this items you can control to show your website pages when
  you publish on twitter, how did your website seem? -->
<!-- These four items is important to how show your website page
  when you publish on Twitter: -->
<!-- عناصر مهمة لكيفية عرض صفحات موقعك عندما يتم نشرها على تويتر -->
<meta name="twitter:card" content="summary_large_image">
  <!-- We use this item when we wish to show large image, when we
    share link on twitter -->
<meta name="twitter:title" content="Coder Shiyar">
  <!-- Through this tag we can define the title -->
```

```

<meta name="twitter:description" content="Coder Shiyar is online
teacher">
    <!-- Through this tag we can define description as a text,
        we show description under title -->
<meta name="twitter:img" content="html-i-01.ico">
<!--    - from here we can define image path, from another
        website or from html file -->
        - To view image in paid hosting you can upload photos,
        but in free hosting like Blogger you can not upload
        photos, there is way to upload in this lecture -->
<meta name="twitter:site" content="@">
    <!-- This item is default, you can don't add it, through it,
        we define username if we have Twitter account -->
<meta name="twitter:creator" content="@">
    <!-- This item is default, you can don't add it, through it
        you can define a creator "content-maker" if we have a
        Twitter account. -->

```

Lesson (51) v (52) marquee element & bgcolor behavior properties:

Ex:

```

<marquee bgcolor="red" height="40" width="300"
behavior="scroll,slide,alternate" direction="up down left right"
hspace="10" vspace="10" loop="11" scrollamount="value is 1-6, six
is default">
    Learn HTML with coder Shiyar
</marquee><br>

<marquee scrollamount="10" behavior="" direction="right">
    <span></span>
    <span></span>
    <span></span>
</marquee>

```

```
<!-- bgcolor="red" height="40" width="300" behavior="scroll"
      "default value",slide,alternate" direction="up down left right"
      hspace="10px add space or margin left & right" vspace="10px add
      space or margin up & down" loop="10 to repeat it ten times"
      scrollamount="speed of emlements" scrollamount="value is 1-6,
      six is default one is the slowest, six is the fastest"-->
```

Ex:

```
<marquee scrollamount="3" loop="3" behavior="scroll"
      direction="left" hspace="11" vspace="33" bgcolor="#ff4343"
      height="33" width="">
  Learn HTML with coder Shiyar ..
</span>
  
</span>
</marquee>

<marquee scrollamount="6" loop="6" behavior="slide"
      direction="right" hspace="22" vspace="33" bgcolor="#ff4343"
      height="22" width="300">
  Learn HTML with coder Shiyar ..
</span>
  
</span>
</marquee>

<marquee scrollamount="11" loop="11" behavior="alternate"
      direction="" hspace="33" vspace="33" bgcolor="#ff4343"
      height="55" width="50%">
  Learn HTML with coder Shiyar ..
</span>
  
</span>
</marquee>

<marquee behavior="" direction="" bgcolor="#f5f525">
  <span>
    <a href="https://codershियar.com"></a>
  </span>
```

```
<span>
  <a href="https://google.com"></a>
</span>
<span>
  <a href="https://yahoo.com"></a></a>
</span>
</marquee>
```

```
<!-- behavior="scroll => move all the time did not stop =>
default, slide => move and stop in end, alternate => go and back -->
  <!-- direction="up, down, left, right" => direction of movement =>
left is default -->
  <!-- hspace="" => equal = margin left and right-->
  <!-- vspace="" => equal = margin up and down -->
  <!-- loop="" => numbers of movement times -->
  <!-- scrollamount="" => speed of items movement inside marquee =>
(1) is slow,(6) is default-->
  <!-- You can make photo as link and click on it with use <a> tag
as above --><br>
```


Lesson (52) v (53) Changing the error message:

- that appears when an error occurs in the form, it needs js.
- Change error msg in Php JS C# when error happens in form, not just in html.-->

Ex:

```
// function error_message1(input) {  
//     if (input.value == '') {  
// Put this letter you want show it for user when he did not  
// put value inside required field ..  
// input.setCustomValidity('Please fill data');  
// Put this letter you want show it for user when he put  
// invalid value inside text field ..  
// } else if (input.validity.typeMismatch) {  
(input.setCustomValidity('Envalid email please another one'));  
// Add this letter you want to show it for user when he put  
// valid value inside required field ..  
// }  
// else {  
//     input.setCustomValidity('');  
// }  
// return true;  
// }
```

Ex:

```
function error_message(input) {  
  
    if (input.value == '') {  
        input.setCustomValidity('رجاء قم بتعبئة البيانات');  
    } else if (input.validity.typeMismatch) {  
        input.setCustomValidity('رجاء تعبئة بيانات صحيحة');  
    } else {  
        input.setCustomValidity('');  
    }  
    return true;  
}
```

```

function error_message1(input) {
    if (input.value == '') {
        input.setCustomValidity('رجاء قم بوضع رسالة او نص');
    } else if (input.validity.typeMismatch) {
        input.setCustomValidity('رجاء تعبئة بيانات صحيحة');
    } else {
        input.setCustomValidity('');
    }
    return true;
}
</script><br><br><hr>

```

Ex:

```

<form dir="rtl">
    <input type="email" required oninvalid="error_message(this)"
        oninput="error_message(this)">
    <input type="text" required oninvalid="error_message1(this)"
        oninput="error_message1(this)">
    <button type="submit">تسجيل</button>
</form>

```

Ex:

```

<form>
    <input type="email" required oninvalid="error_message(this)"
        oninput="error_message()" />
    <input type="text" required oninvalid="error_message1(this)"
        oninput="error_message1()" />

    <button type="submit">Regester</button>
</form>
<br>

<form action="">
    <input type="email" required oninvalid="error_msg(this)"
        oninput="error_msg()">
    <input type="text" required oninvalid="error_msg1(this)"
        oninput="error_msg1()">

```

```

    <select name="language" required
      oninvalid="this.setCustomValidity('رجاء قم بتحديد خيار');">
      <option value="">Choose language</option>
      <option value="arabic">Arabic</option>
      <option value="english">English</option>
      <option value="french">French</option>

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

</form>
<br>
<hr>

<script>
  function error_msg(input) {
    if (input.value == '') {
      // Please, here write msg you want to show for user
      when he did not write value inside required field
      input.setCustomValidity('رجاء قم بتعبئة البيانات');
    }
    // Please, here write msg you want to show for user when
    he write invalid value inside text field ..
    else if (input.validity.typeMismatch) {
      input.setCustomValidity('رجاء تعبئة بيانات صالحة');
    }
    // Please, here write msg you want to show for user when
    he write valid value inside required field..
    else {
      input.validity.typeMismatch('MSG is here');
    }
    return true;
  }

  function error_msg1(input) {
    if (input.value == '') {

```

```
        // Please, here write msg you want to show for user
        when he did not write value inside required field
..
        input.setCustomValidity('رجاء قم بتعبئة رسالة او نص');
    }
    // Please, here write msg you want to show for user when
    he write invalid value inside text field ..
else if (input.validity.typeMismatch) {
    input.setCustomValidity('بريد الكتروني غير صالح قم بتجربة بريد مختلف');
}
// Please, here write msg you want to show for user when
he write valid value inside required field..
else {
    input.validity.typeMismatch('MSG is here');
}
return true;
}
</script>
<br>
```

Lesson (53) v (54) Create new free website ex:(Restaurant):

```
<!-- To do that we use bootstrab.com & getbootstrab.com -->
<!-- We do that many times and success -->
<!--The website is attached -->
<br>
<hr>
```

Lesson (54) v (55) Publish our website with free Domin & hosting:

```
<!-- To do that we use this website .. https://www.eb2a.com/ -->
<!-- Follow the steps -->
<!-- I do that and success -->
<br>    <hr>
```

Lesson (55) v (56) How to publish your website on Google & Bing Search Engin?

Lesson (56) v (57) How to publish your website free on Microsoft GitHub pages? -->

```
<br>    <hr>
```

Lesson (54) v (58) How to create title="Hint" on your website?

<!-- Add title="" to elements as <div title="hint">, and we add it to we see it as a Hint, as ex. below -->

```
<div title="Hyper Text Markup Language">HTML</div><br><br>

<br>
<hr>
```

Lesson (55) v (59) Explaining important points about HTML language and suggestions to use important tools.

Note:

1. Close HTML elements like </>.
2. If you write Code HTML or CSS and did not run, always this from the browser, to avoid that:
 - There is a feature called Lighthouse which is run when the file is on the server.
 - If you are on locale net or on your computer, from Browser settings choose clear data to delete data that saved into the browser.
3. If you need any code, write what you need in the search browser, like: "How to create table", then you get code for that.

Lesson (56) v (60) <noscript> Show a msg when JS is blocked in the browser:

```
<!-- <script> -->
<script>
    alert('Now JS working');
```

```
</script>
<noscript>
  This app will not work properly because javascript not
  supported in this browser or has been disabled..
</noscript>
```

Ex:

```
noscript show letter when js forbidden in browser
<!--the content you can select it , when js didn't work on
  browser-->
```

```
<noscript>
  alert("js working on ..");
  Our app didn't work for you, Because js not support on this
browser or stopped.
</noscript>

<br><hr>
```

Lesson (57) v (61) Explaining theme color:

- changing color of top part mobile screen when anyone visits our Website from mobile.
- Chrome and Samsung browser support this feature.

```
<meta name="theme-color" content="#ff1a45">
```

Lesson (58) v (62) Explaining How to register:

Register in website Coder Shyiar for the test “exam” and request an HTML certificate? Exam.

Lesson (59)v(63) End of course HTML5 and explaining following steps.

Details

Following:

Lessons (37) v (38) Structure (1)

Lessons (38) v (39) Structure (2)

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>testHTML</title>
  <style>
    #content {
      width: 1000px;
      margin: auto;
    }

    header {
      width: 700px;
      height: 90px;
      background: rgb(215, 113, 113);
      float: left;
    }

    nav {
      width: 300px;
      height: 90px;
      background: rgb(78, 193, 78);
      float: right;
    }

    aside {
```

```
        float: left;
        width: 300px;
        height: 600px;
        background: rgb(218, 155, 155);
    }

    main {
        float: right;
        width: 700px;
        height: 600px;
        background: rgb(219, 212, 212);
    }

    main article {
        float: left;
        margin: 10px;
        width: 329px;
        height: 180px;
        background: rgb(78, 193, 78);
        text-align: center;
    }

    footer {
        clear: both;
        width: 100%;
        height: 70px;
        background: rgb(44, 22, 22);
    }
</style>
</head>

<body>
    <div id="content">
        <header>

        </header>
        <nav>

        </nav>
```

```
<aside>

</aside>
<main>
    <article>
        
        <h3 style=" margin: 0px;background:white;padding:5px
0px; ">First Flower </h3>
    </article>
    <article> 
        <h3 style=" margin: 0px;background:white;padding:5px
0px; ">Secound Flower </h3>
    </article>
    <article>
        <h3 style=" margin: 0px;background:white;padding:5px
0px; ">Third Flower </h3>
    </article>
    <article>
        <h3 style=" margin: 0px;background:white;padding:5px
0px; ">Fourth Flower </h3>
    </article>
    <article>
        <h3 style=" margin: 0px;background:white;padding:5px
0px; ">Fifth Flower </h3>
    </article>
    <article>
        <h3 style=" margin: 0px;background:white;padding:5px
0px; ">Sixth Flower </h3>
    </article>

</main>
<footer>
```

```
        </footer>
    </div>
    <br/><br/><br/><br/>
    <hr/>
</body>

</html>
```

```
<!--
    The new HTML structure items:
        <header></header>
        <nav></nav>
        <aside></aside>
        <main> </main>
        <section></section>
        <article></article>
        <footer></footer>
```

(note: no difference between items above and <div> item, just for organize.)

```
-->
```