

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>HTML</title>
</head>
<body>
  <p>this is p tag</p>
</body>
</html>
```

```
<!DOCTYPE html>
<html>
  <head>
    <title>HTML</title>
  </head>
  <body>
    <!-- WHAT IS HTML-->

    <!-- HTML is the standard markup language for creating the structure of
web pages.

    We can display web page content like paragraphs, lists, images,
and links in a structured way using HTML.

    We can only define the structure of a website using HTML. For
appearance (color, layout, design), we use CSS. Similarly, JavaScript is used
for adding functionality to a web page.

    HTML5 is the latest and major HTML version. -->

    <!-- Html syntax -->

    

    <!-- <p>this is heading tag</p> -->
    <!-- 1 html element/syntax -->
    <!-- html symbols

    < :- Less-than

    > :- Greater-than

    : :- Colon

    ; :- Semicolon

    , :- Coma

    ' :- Single Quotation Mark

    " :- Double Quotation Mark

    -->
```

```
<!--
```

What Are HTML Tags?

Tags are used to mark up the start of an HTML element and they are usually enclosed in angle brackets. An example of a tag is: <h1>. Most tags must be opened <h1> and closed </h1> in order to function.

What are HTML Attributes?

Attributes contain additional pieces of information. Attributes take the form of an opening tag and additional info is placed inside.

An example of an attribute is:

```

```

```
-->
```

```
<!--
```

```
html basic structure
```

```
<!Doctype html> :- define this structure is document structure
and this is html 5 version.
```

```
<html> :- this is root element of html page.
```

```
<head> :- head part contain of meta tag / title / another
style and font links.
```

```
<title> :- This is where we insert the page name as it will
appear at the top of the browser window or tab.
```

```
<body> :- body part contain all html tag and this tag output
show in browsers web page.
```

```
-->
```

```
<!-- html version
```

```
Version Specification Release Date
```

```
1.0 N/A 1994-01-01
```

```
2.0 RFC 1866 1995-11-24
```

```
3.2 W3C: HTML 3.2 Specification 1997-01-14
```

```
4.0 W3C: HTML 4.0 Specification 1998-04-24
```

```
4.01 W3C: HTML 4.01 Specification 1999-12-24
```

```
5 WHATWG: HTML Living Standard 2014-10-28
```

```
5.1 W3C: HTML 5.1 Specification 2016-11-01
```

```
-->
```

```
<!-- Full Form -->

<!--
    HTML :- hypertext markup language
    CSS :- cascading style sheet
    URL :- uniform resource locator
    HTTPS :- hypertext transfer protocol secure
    WWW :- world wide web
-->

<!-- blocklevel tag-->

<!-- <h1>this is h1 tag</h1>
<h1>this is new h1 tag</h1>
<p>Lorem, ipsum dolor sit amet consectetur adipisicing elit.
Quod, alias!</p> -->

<!-- inline tag-->

<!-- <span>this is span tag</span>
<span>this is new span tag</span>
<a href="#">this is link tag</a>
<Q>THIS IS Q TAG</Q> -->

</body>
</html>
```

```
<!--
```

```
    HEADING TAG
```

```
    PARAGRAPHS TAG
```

```
    PRE TAG
```

```
    BR TAG
```

```
    HR TAG
```

```
    ANCHOR TAG
```

```
-->
```

```
<!-- heading tag / Block level tag-->
```

```
<h1>this is heading tag</h1>
```

```
<h2>this is heading tag</h2>
```

```
<h3>this is heading tag</h3>
```

```
<h4>this is heading tag</h4>
```

```
<h5>this is heading tag</h5>
```

```
<h6>this is heading tag</h6>
```

```
<!--h1 is    32px    (2em)
```

```
    h2 is    24px (1.5em)
```

```
    h3 is 20.8px (1.3em)
```

```
    h4 is    16px    (1em)
```

```
    h5 is 12.8px (0.8em)
```

```
    h6 is 11.2px (0.7em) -->
```

```
<!-- paragraphs tag / p tag / Block level tag -->
```

```
<!-- p tag is not count of any space create in paragraphs -->
```

```
<!-- space create in inline paragraphs use &nbsp; and line break in  
paragraphs use <br> tag -->
```

```
<!-- html entities = &nbsp; -->
```

```
<p></p>
```

```
<!-- pre tag / preformatted tag / Block level tag -->
```

```
<pre></pre>
```

```
<!-- empty tag list below-->
```

```
<!-- br tag / line break tag-->
```

```
<br>
```



```

<!-- hr tag / horizontal rule tag -->

<hr>

<!-- anchor tag with attributes / inline tag -->

<!--      _self - Default. Opens the document in the same window/tab as
it was clicked
      _blank - Opens the document in a new window or tab
      _parent - Opens the document in the parent frame
      _top - Opens the document in the full body of the window      --
>

<a href="#headingtag">Heading Tag</a>

<a href="navbar.jpg">this is link tag</a><br>

<!-- web add on -->

<a href="URL" target="_blank/_self">Demo tag</a><br>

<a href="https://tailwindcss.com/" target="_self">Tailwind css</a><br>

<!-- file add on -->

<a href="filepath/filename.extenstion" target="_blank">Demo
file</a><br>

<a href="lecture-2.html" target="_blank" >Html file demo 1</a><br>

<a href="navbar.jpg" target="_blank" download>image</a><br>

<a href="image/lecture.html" target="_blank">Html file demo 2</a><br>

<a href="../animation.html" target="_blank">Html file demo 3</a><br>

<!-- email add on -->
<!-- Note: anchor tag email structure not use target becuae this is
open in default another programme-->

<a href="mailto:ifmdac@gmail.com">Email:-ifmdac@gmail.com</a><br>

<!-- telephone add on -->
<!-- Note: anchor tag telephone structure not use target becuae this
is open in default another programme-->

<a href="tel:99135224545">phone no:-99135224545</a><br>

```

```

<!--
    IMAGE TAG
    PICTURE TAG
    BLOCKQUOTE TAG
    BDO TAG
    ABBR TAG
    ADDRESS TAG
    Q TAG
-->

<!-- image tag / inline tag -->

    

    

    

    

<!--
    Format    File Format                                Extension
    GIF       Graphics Interchange Format                .gif
    PNG       Portable Network Graphics                  .png
    SVG       Scalable Vector Graphics                   .svg
    JPEG      Joint Photographic Expert Group image     .jpg, .jpeg
    WEBP      Web Picture                                .webp
-->

<!--PICTURE TAG-->

<picture>
    <source media="(min-width:650px)" srcset="./img_forest.jpg">
    <source media="(min-width:465px)" srcset="./images/nature.jpg">
    
</picture>

<!-- blockquote tag / block level tag -->

    <blockquote cite="https://www.lipsum.com/">
    roots in a piece of classical Latin literature from 45 BC, making it over 2000
years old. Richard McClintock, a Latin professor at Hampden-Sydney College in
Virginia, looked up one of the more obscure Latin words, consectetur, from a
Lorem Ipsum passage, and going through the cites of the word in classical
literature, discovered the undoubtable source. Lorem Ipsum comes from sections
1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good
and Evil) by
    </blockquote>

```

```
<!-- bdo tag / bi-directional override tag / inline tag -->
<!-- ltr :- left to right-->
<!-- rtl :- right to left-->

    <bdo dir="ltr">this is default direction text.</bdo><br><br>
    <bdo dir="rtl">this is right to left direction text.</bdo><br><br>

<!-- abbr tag / abbreviation tag / inline tag -->
<!-- hover the mouse in HTML content after show full form-->

    <abbr title="HYPERTEXT MARKUP LANGAUAGE">HTML</abbr><br><br>

<!-- address tag / block level tag -->

    <address>
        Name: John Doe<br>
        Street: WE-49<br>
        Area:Belegarow<br>
        City:Washington-Dc<br>
        Email:<a
href="mailto:ifmdac@gmail.com">Ifmdac@gmail.com</a><br>
        Phone no:<a href="tel:9913565897">9913565897</a>
    </address><br>

<!-- Q tag / Quotation tag / inline tag-->

    <q>this is quoted text.</q>
    <q>this is quoted text.</q>
```



```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>HTML</title>
  <style>
    /* input{
      border:none;
    }
    input:focus{
      outline: 5px solid red;
    } */
  </style>
</head>
<body>
  <!--
    MARQUEE TAG
    LISTING TAG
    HTML FORMATTING TAG
    HTML INPUT TYPES
  -->

  <!-- marquee tag / Block level tag -->
  <!-- marquee tag is work in web pages for scrolleble text/image in
perticuler direction-->

    <marquee direction="left" loop="" scrollamount="100"
scrollldelay="500" bgcolor="green" height="300" width="300"
behavior="scroll"></marquee>

  <!-- Listing tag / block level tag -->

  <!--
  <ol>    Defines an ordered list.
  <ul>    Defines an unordered list.
  <dl>    Defines a description list.
  <li>    Defines a list item in ordered or unordered lists.
  <dt>    Defines a term in description list.
  <dd>    Defines the description of a term in the description list. -->

  <!-- order list  start="1"  type="A / a / I / i / none" -->

    <ol start="" type="I">
      <li>option-1</li>
      <li>option-2</li>
      <li>option-3</li>
      <li>option-4</li>
      <li>option-5</li>
      <li>option-6</li>
      <li>option-7</li>
    </ol>

```



```

<!-- unordered list type="disc / circle / square / none" -->

    <ul type="">
        <li>optoion-1</li>
        <li>optoion-2</li>
        <li>optoion-3</li>
        <li>optoion-4</li>
        <li>optoion-5</li>
        <li>optoion-6</li>
    </ul>

<!-- Discription list / Definition List -->

    <dl>
        <dt>Fruits</dt>
        <dd>apple</dd>
        <dd>mango</dd>
        <dd>watermelon</dd>
        <dd>banana</dd>
        <dt>Browsers</dt>
        <dd>crome</dd>
        <dd>opera</dd>
        <dd>safari</dd>
        <dd>mozilla firefox</dd>
    </dl>

<!-- Nesting list -->

    <ol>
        <li>
            <dl>
                <dt>Fruits</dt>
                <dd>apple</dd>
                <dd>mango</dd>
                <dd>watermelon</dd>
                <dd>banana</dd>
                <dt>Browsers</dt>
                <dd>crome</dd>
                <dd>opera</dd>
                <dd>safari</dd>
                <dd>mozilla firefox</dd>
            </dl>
        </li>
        <li>
            <ul>
                <li>optoion-1</li>
                <li>optoion-2</li>
                <li>optoion-3</li>
                <li>optoion-4</li>
                <li>optoion-5</li>
            </ul>
        </li>
    </ol>

```

```

        <li>
            <ol start="" type="">
                <li>optoion-1</li>
                <li>optoion-2</li>
                <li>optoion-3</li>
                <li>optoion-4</li>
                <li>optoion-5</li>
                <li>optoion-6</li>
            </ol>
        </li>
    </ul>
</li>
</ol>

<!-- Html Comment -->

<!--html formatting tag / inline tag-->

<b>this is bold text.</b><br>
<strong>this is strong text.</strong><br>
<i>this is italic text.</i><br>
<em>this is emphesize text.</em><br>
<mark>this is makeble text.</mark><br>
<small>this is small text.</small><br>
<big>this is big text</big>
<del>this is deleted text.</del><br>
<ins>this is added text.</ins><br>
<u>this is underline text</u><br>
<s>this is s tag</s>
(10)<sup>2</sup><br> <!-- superscript text-->
H<sub>2</sub>SO<sub>4</sub><br> <!-- subscript text-->

<!-- html input types / inline input types -->

<input type="button"><br>
<input type="button" value="SignUp"><br>
<input type="checkbox"><br>
<input type="radio"><br>
<input type="radio" name="Gender">Male<br>
<input type="radio" name="Gender">Female<br>
<input type="text" placeholder="First Name"><br>
<input type="date"><br>
<input type="time"><br>
<input type="datetime-local"><br>
<input type="password"><br>
<input type="submit"><br>
<input type="reset"><br>
<input type="email"><br>
<input type="tel"><br>
<input type="range"><br>
<input type="month"><br>

```

```
<input type="week"><br>
<input type="number" ><br>
<input type="image" src="submit-button.png" alt=""><br>
<input type="hidden"><br>
<input type="url"><br>
<input type="color"><br>
<input type="search"><br>
<input type="file"><br>
```

```
<!-- text - creates a single-line text fields (default)
      button - creates a button with no default functionality
      checkbox - creates a checkbox
      color - creates a color picker
      date - creates a date picker
      datetime-local - creates a date and time picker
      email - creates an input field that allows the user to input a
valid email address
      file - creates an input field that lets the user upload a file or
multiple files
      hidden - creates an invisible input field
      image - creates a button using an image
      month - creates an input field that lets the user enter month and
year
      password - creates an input field that lets the user enter
information securely
      radio - creates a radio button
      range - creates a range picker from which the user can select the
value
      reset - creates the button which clears all the form values to
their default value
      search - allows user to enter their search queries in the text
fields
      submit - allows user to submit form to the server
      tel - defines the field to enter a telephone number
      time - creates an input field that accepts time value
      url - lets the user enter and edit a URL
      week - lets the user pick a week and a year from a calendar -->

</body>
</html>
```

```

<!DOCTYPE html>
<html>
  <head>
    <title>Html</title>
    <style>
      table, th, td{
        border:1px solid black;
        border-collapse: collapse;
        text-align: center;
        width: 600PX;
      }
    </style>
  </head>
  <body>
    <!-- Html Table Tag -->
    <table>
      <caption> This is Table Tag </caption>
      <!-- <figcaption>this is table tag</figcaption> -->
      <thead>
        <tr>
          <th>NO.</th>
          <th>Full Name</th>
          <th>Position</th>
          <th>Salary</th>
        </tr>
      </thead>
      <tbody>
        <tr>
          <td>1</td>
          <td>Bill Gates</td>
          <td>Founder Microsoft</td>
          <td>$1000</td>
        </tr>
        <tr>
          <td>2</td>
          <td>Steave Jobs</td>
          <td>Founder Apple</td>
          <td>$1200</td>
        </tr>
        <tr>
          <td>3</td>
          <td>Larry Page</td>
          <td>Founder Google</td>
          <td>$1100</td>
        </tr>
        <tr>
          <td>4</td>
          <td>Mark Zukerburg</td>
          <td>Founder Facebook</td>
          <td>$1300</td>
        </tr>
      </tbody>
    </table>
  </body>
</html>

```



```
<!-- colspan and rowspan in html table -->
```

```
<table>
  <caption> This is Table Tag </caption>
  <tr>
    <th colspan="2">Full Name</th>
    <!-- <th>Last_Name</th> -->
    <th>Marks</th>
  </tr>
  <tr>
    <td>sonoo</td>
    <td>jaiswal</td>
    <td>60</td>
  </tr>
  <tr>
    <td>james</td>
    <td>william</td>
    <td rowspan="3">80</td>
  </tr>
  <tr>
    <td>swati</td>
    <td>sironi</td>
    <!-- <td>80</td> -->
  </tr>
  <tr>
    <td>chetna</td>
    <td>sironi</td>
    <!-- <td>80</td> -->
  </tr>
</table>
```

```
<!-- colgroup in html table -->
```

```
<table>
  <caption> This is Table Tag </caption>
  <colgroup>
    <col span="3" bgcolor="red">
    <col span="1" bgcolor="yellow">
    <col span="1" bgcolor="blue">
  </colgroup>
  <tr>
    <th>First_Name</th>
    <th>Last_Name</th>
    <th>Marks</th>
  </tr>
  <tr>
    <td>sonoo</td>
    <td>jaiswal</td>
    <td>60</td>
  </tr>
```

```
        <tr>
          <td>james</td>
          <td>william</td>
          <td>80</td>
        </tr>
        <tr>
          <td>swati</td>
          <td>sironi</td>
          <td>82</td>
        </tr>
        <tr>
          <td>chetna</td>
          <td>singh</td>
          <td>72</td>
        </tr>
      </table>

    </body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
  <!-- meta tag-->

  <meta charset="utf-8">
  <meta name="keyword" content="keyword">
  <meta name="discription" content="discription">
  <meta name="author" content="author">
  <meta name="viewport" content="width=device-width , initial-scale=1.0">

  <title>HTML</title>

  <!-- favicone tag-->

  <link rel="icon" type="x-icon/image" href="asset/good-icon.webp">

  <style>

    /* form {
      background-color: rgb(153, 255, 0);
      text-align: center;
    } */
    legend{
      text-align: center;
    }
    /* nav a{
      text-decoration: none;
      color:green;
      background-color: brown;
      margin: 10px;
    } */
    /* nav{
      background-color: blue;
      padding: 10px;
      display: flex;
      justify-content: center;
    } */
    /* textarea{
      resize: horizontal;
    } */
  </style>
</head>

<body>
  <!--
    META TAG
    FAVICON TAG

    TEXTAREA TAG
```

```

SELECT TAG
DATALIST TAG
FORM TAG
FIGURE TAG
SPAN TAG
IFRAME TAG
NAV TAG

-->
<!-- textarea-->

<textarea cols="10" rows="10"></textarea>
<!-- select tag / inline tag -->

<select name="" value="">
  <option value=""></option>
  <option value="none" >none</option>
  <option value="Opera">Opera</option>
  <option value="Crome" selected>Crome</option>
  <option value="Firefox">Firefox</option>
  <option value="Safari" >Safari</option>
  <option value="Microsoft Edge">Microsoft Edge</option>
  <option value="Opera">Opera</option>
  <option value="Crome">Crome</option>
  <option value="Firefox">Firefox</option>
  <option value="Safari">Safari</option>
  <option value="Microsoft Edge">Microsoft Edge</option>
</select>

<select id="pets">
  <optgroup label="Mammals">
    <option value="dog">Dog</option>
    <option value="cat">Cat</option>
  </optgroup>
  <optgroup label="Insects">
    <option value="spider">Spider</option>
    <option value="ants">Ants</option>
  </optgroup>
  <optgroup label="Fish">
    <option value="goldfish">Goldfish</option>
  </optgroup>
</select>

<!-- datalist tag / inline tag -->

<input list="list" name="browsers" value="">
  <datalist id="list">
    <option value="Opera">
    <option value="Crome">
    <option value="Firefox">
    <option value="Safari">

```



```

        <option value="Microsoft Edge">
    </datalist>

<!-- form tag -->

    <form>
        <label for="name">Name:</label>
        <input type="text" name="name"><br><br>
        <label for="sex">Sex:</label>
        <input type="radio" name="sex" id="male" value="male">
        <label for="male">Male</label>
        <input type="radio" name="sex" id="female" value="female">
        <label for="female">Female</label> <br><br>
        <label for="country">Country: </label>
        <select name="country" id="country">
            <option>Select an option</option>
            <option value="nepal">Nepal</option>
            <option value="usa">USA</option>
            <option value="australia">Australia</option>
        </select><br><br>
        <label for="message">Message:</label><br>
        <textarea name="message" id="message" cols="30"
rows="4"></textarea><br><br>
        <input type="checkbox" name="newsletter" id="newsletter">
        <label for="newsletter">Subscribe?</label><br><br>
        <input type="submit" value="Submit">
    </form>
    <hr style="border-top:2px solid red;">

<!-- figure tag -->

    <figure>
        
        <figcaption>this is image tag</figcaption>
    </figure>

<!-- span tag / inline tag -->

    <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. <span
style="color:red; font-weight:bold; text-decoration:underline; background-
color: green;">Est voluptatem doloremque neque omnis voluptates adipisci</span>
minus ullam vero voluptatibus.</p>

    <hr style="border-top:2px solid red;">

```

```
<!-- iframe tag -->

    <iframe src="Lecture-6.html" frameborder="0" width="1200px"
height="800px"></iframe>
    <hr style="border-top:2px solid red;">

<!-- nav tag / blocklevel tag-->

    <nav>
        <a href="#">Home</a>
        <a href="#">Pages</a>
        <a href="#">About</a>
        <a href="#">Contect</a>
        <a href="#">Blogs</a>
        <a href="#">Other</a>
    </nav>
    <hr style="border-top:2px solid red;">

</body>

</html>
```

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

    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width , initial-scale=1.0">
    <title>HTML</title>
    <link rel="icon" type="image/x-icon" href="favicon.png">
  <!-- <style>

    div{
      height: 100px;
      background-color: green;
      border:1px solid black;
    }
    section{
      background-color: red;
      padding: 20px;
    }
    article{
      margin-top: 10px;
      background-color: yellow;
      padding: 10px;
    }
  </style> -->

</head>
<body>

  <!--
    AUDIO TAG
    VIDEO TAG
    DIV TAG
    SECTION TAG
    ARTICLE TAG
    HEADER TAG
    FOOTER TAG
    ASIDE TAG
    MAIN TAG
    DETAILS TAG
    BUTTON
    PROGRESS BAR
    EMBED TAG
    W3C VALIDATION
    SEMANTIC TAG LIST
  -->
```

```
<!--audio and video tag -->

    <!-- audio tag -->

    <audio controls muted autoplay preload="" loop="">
        <source src="../audios.mp3" type="audio/mp3">
    </audio>
    <hr style="border-top:2px solid red;">

<!-- video tag -->

    <video controls preload="auto" poster="asset/eiffel-tower.jpg"
height="300px" width="300px" loop="">
        <source src="../videos.mp4" type="video/mp4">
    </video>

    <h1>this is heading tag</h1>

<!-- HTML LAYOUT TAG -->

<!-- div tag in html / block-level tag -->

    <!-- <div></div>
    <div></div> -->

<!-- section tag in html / block-level tag -->

    <!-- <section>
        <div>
            this is div tag
        </div>
        <div></div>
    </section> -->

<!-- article tag in html -->

    <article>
        <h2>this is article tag</h2>
    </article>

<!-- header tag in html -->

    <header style="position: fixed; top:0; width: 100%;">
        <div class="navigation" style="background-color: red;
padding:20px; display:flex; align-items:center; justify-content: space-
between;">
            <div class="logo">
                
            </div>
            <div class="navigate">
```



```

        <nav>
            <a href="#">Home</a>
            <a href="#">Pages</a>
            <a href="#">About</a>
            <a href="#">Contect</a>
            <a href="#">Blogs</a>
            <a href="#">Other</a>
        </nav>
    </div>
</div>
</header>

<!-- aside tag in hmtl -->

<aside>

</aside>

<!-- footer tag in html -->

<footer>
    <!-- <address>
        Name: John Doe<br>
        Street: WE-49<br>
        Area:Belegarow<br>
        City:Washington-Dc<br>
        Email:<a
href="mailto:ifmdac@gmail.com">Ifmdac@gmail.com</a><br>
        Phone no:<a href="tel:9913565897">9913565897</a>
    </address> -->
    <!--Quick link-->
    <!--Social icon-->
    <!-- Copyright issue-->
    <!--email-->
    <!--mobile no-->
</footer>
<!-- details tag in html -->

<details>
    <summary>
        
        <h1>Lorem ipsum dolor sit amet consectetur adipisicing
elit. Necessitatibus assumenda illo quaerat facilis, minima animi sint sed
obcaecati veritatis ea totam excepturi odio magni, culpa ipsam id deserunt!
Suscipit, animi.</h1>
    </summary>
    <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit.
Placeat laborum magni a, fugit recusandae maiores quidem sit maxime nihil
expedita eum natus vitae at dolorem voluptate cum reiciendis necessitatibus.
Sapiente.</p>
</details>

```

```

<!-- main tag in html -->

    <main>
        <!-- important data link form , location , map -->
    </main>


<!-- button tag in html -->

    <button>Submit</button>
    <input type="button" value="save">


<!-- progress bar in html -->

    <progress value="100" max="200"></progress>


<!-- embed tag -->

    <embed src="favicon.png" type="image/png">


<!-- W3c html validation-->

<!-- sementic html tag list-->

<!--
    <h1>
    <p>
    <article>
    <aside>
    <details>
    <figcaption>
    <figure>
    <footer>
    <header>
    <main>
    <mark>
    <nav>
    <section>
    etc.....
-->
<!--nonsemantic html tag-->
<!--
    <div>
    <span>
    etc.....
-->

</body>
</html>

```