HTML

Important tags and their usages

Basic HTML

- **<!DOCTYPE> :** Defines the document type.

```
<!DOCTYPE html>
<html>
<head>
<title>Title of the document</title>
</head>

<body>
The content of the document......
</body>

</html>
```

- **<html> :** Defines an HTML document.

```
<!DOCTYPE html>
<html lang="en">
<head>
   <title>Title of the document</title>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

- **<head> :** Contains metadata/information for the document.

```
<!DOCTYPE html>
<html lang="en">
<head>
   <title>Title of the document</title>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

- **<title> :** Defines a title for the document

```html
<!DOCTYPE html>
<html>
<head>
  <title>HTML Elements Reference</title>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

- **<body> :** Defines the document's body

```html
<html>
<head>
  <title>Title of the document</title>
</head>

<body>
  <h1>This is a heading</h1>
  <p>This is a paragraph.</p>
</body>

</html>
```

- **<h1> to <h6>:** Defines HTML headings

```html
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>
<h4>This is heading 4</h4>
<h5>This is heading 5</h5>
<h6>This is heading 6</h6>
```

- **<p>** : Defines a paragraph

```
<p>This is some text in a paragraph.</p>
```

- **
** : Inserts a single line break

```
<p>To force<br> line breaks<br> in a text,<br> use the br<br> element.</p>
```

- **<hr>** : Defines a thematic change in the content

```
<h1>The Main Languages of the Web</h1>

<p>HTML is the standard markup language for creating Web pages. HTML describes the structure of a Web page, and
consists of a series of elements. HTML elements tell the browser how to display the content.</p>

<hr>

<p>CSS is a language that describes how HTML elements are to be displayed on screen, paper, or in other media.
CSS saves a lot of work, because it can control the layout of multiple web pages all at once.</p>

<hr>

<p>JavaScript is the programming language of HTML and the Web. JavaScript can change HTML content and attribute
values. JavaScript can change CSS. JavaScript can hide and show HTML elements, and more.</p>
```

- **<!--…-->** : Defines a comment

```
<!--This is a comment. Comments are not displayed in the browser-->

<p>This is a paragraph.</p>
```

Formatting

- **\<acronym\> :** Not supported in HTML5. Use \<abbr\> instead. Defines an acronym.

```
The <abbr title="World Health Organization">WHO</abbr> was founded in 1948.
```

- **\<abbr\> :** Defines an abbreviation or an acronym.

```
The <abbr title="World Health Organization">WHO</abbr> was founded in 1948.
```

- **\<address\>:** Defines contact information for the author/owner of a document/article.

```
<address>
Written by <a href="mailto:webmaster@example.com">Jon Doe</a>.<br>
Visit us at:<br>
Example.com<br>
Box 564, Disneyland<br>
USA
</address>
```

- **\<b\> :** Defines bold text.

```
<p>This is normal text - <b>and this is bold text</b>.</p>
```

- **\<bdi\> :** Isolates a part of text that might be formatted in a different direction from other text outside it.

```
<ul>
  <li>User <bdi>hrefs</bdi>: 60 points</li>
  <li>User <bdi>jdoe</bdi>: 80 points</li>
  <li>User <bdi>إيان</bdi>: 90 points</li>
</ul>
```

- **<bdo>:** Overrides the current text direction

```
<bdo dir="rtl">
This text will go right-to-left.
</bdo>
```

- **<big>:** Not supported in HTML5. Use CSS instead. Defines big text.

```
<html>
<head>
<style>
p.ex1 {
  font-size: 30px;
}
p.ex2 {
  font-size: 50px;
}
</style>
</head>
<body>

<p>This is a normal paragraph.</p>
<p class="ex1">This is a bigger paragraph.</p>
<p class="ex2">This is a much bigger paragraph.</p>

</body>
</html>
```

- **<blockquote> :** Defines a section that is quoted from another source.

```
<blockquote cite="http://www.worldwildlife.org/who/index.html">
For 50 years, WWF has been protecting the future of nature. The world's leading conservation organization, WWF
works in 100 countries and is supported by 1.2 million members in the United States and close to 5 million
globally.
</blockquote>
```

- **<center>:** Not supported in HTML5. Use CSS instead. Defines centered text.

```html
<html>
<head>
<style>
h1 {text-align: center;}
p {text-align: center;}
div {text-align: center;}
</style>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>
<div>This is a div.</div>

</body>
</html>
```

- **<cite>:** Defines the title of a work.

```html
<p><cite>The Scream</cite> by Edward Munch. Painted in 1893.</p>
```

- **<code> :** Defines a piece of computer code.

```html
<p>The HTML <code>button</code> tag defines a clickable button.</p>

<p>The CSS <code>background-color</code> property defines the background color of an element.</p>
```

- **<del> :** Defines text that has been deleted from a document.

```html
<p>My favorite color is <del>blue</del> <ins>red</ins>!</p>
```

- **<dfn>:** Specifies a term that is going to be defined within the content.

```html
<p><dfn>HTML</dfn> is the standard markup language for creating web pages.</p>
```

- **<em>:** Defines emphasized text

```html
<p>You <em>have</em> to hurry up!</p>

<p>We <em>cannot</em> live like this.</p>
```

- **<font> :** Not supported in HTML5. Use CSS instead.
  Defines font, color, and size for text

```html
<p style="color:red">This is a paragraph.</p>
<p style="color:blue">This is another paragraph.</p>
```

- **<i>:** Defines a part of text in an alternate voice or mood.

```html
<p><i>Lorem ipsum</i> is the most popular filler text in history.</p>

<p>The <i>RMS Titanic</i>, a luxury steamship, sank on April 15, 1912 after striking an iceberg.</p>
```

- **<ins> :** Defines a text that has been inserted into a document.

```html
<p>My favorite color is <del>blue</del> <ins>red</ins>!</p>
```

- **<kbd> :** Defines keyboard input.

```html
<p>Press <kbd>Ctrl</kbd> + <kbd>C</kbd> to copy text (Windows).</p>

<p>Press <kbd>Cmd</kbd> + <kbd>C</kbd> to copy text (Mac OS).</p>
```

- **<mark> :** Defines marked/highlighted text.

```html
<p>Do not forget to buy <mark>milk</mark> today.</p>
```

- **<meter>:** Defines a scalar measurement within a known range (a gauge).

```html
<p>Do not forget to buy <mark>milk</mark> today.</p>
```

- **<pre> :** Defines preformatted text.

```html
<pre>
Text in a pre element
is displayed in a fixed-width
font, and it preserves
both      spaces and
line breaks
</pre>
```

- **<progress> :** Represents the progress of a task.

```html
<label for="file">Downloading progress:</label>
<progress id="file" value="32" max="100"> 32% </progress>
```

- **<q> :** Defines a short quotation.

```html
<p>WWF's goal is to:
<q>Build a future where people live in harmony with nature.</q>
We hope they succeed.</p>
```

- **<rp> :** Defines what to show in browsers that do not support ruby annotations.

```html
<ruby>
漢 <rp>(</rp><rt>ㄏㄢˋ</rt><rp>)</rp>
</ruby>
```

- **<rt>:** Defines an explanation/pronunciation of characters (for East Asian typography).

```
<ruby>
漢 <rt> ㄏ ㄢˋ </rt>
</ruby>
```

- **<ruby> :** Defines a ruby annotation (for East Asian typography).

```
<ruby>
漢 <rt> ㄏ ㄢˋ </rt>
</ruby>
```

- **<s> :** Defines text that is no longer correct.

```
<p><s>Only 50 tickets left!</s></p>
<p>SOLD OUT!</p>
```

- **<strike> :** Not supported in HTML5. Use <del> or <s> instead. Defines strikethrough text.

```
<p>Message from my computer:</p>

<p><samp>File not found.<br>Press F1 to continue</samp></p>
```

- **<strong> :** Defines important text.

```
<strong>This text is important!</strong>
```

- **<sub>:** Defines subscripted text.

```html
<p>This text contains <sub>subscript</sub> text.</p>
```

- **<sup> :** Defines superscripted text.

```html
<p>This text contains <sup>superscript</sup> text.</p>
```

- **<template> :** Defines superscripted text.

```html
<button onclick="showContent()">Show hidden content</button>

<template>
  <h2>Flower</h2>
  <img src="img_white_flower.jpg" width="214" height="204">
</template>

<script>
function showContent() {
  let temp = document.getElementsByTagName("template")[0];
  let clon = temp.content.cloneNode(true);
  document.body.appendChild(clon);
}
</script>
```

- **<time> :** Defines a specific time (or datetime).

```html
<p>Open from <time>10:00</time> to <time>21:00</time> every weekday.</p>

<p>I have a date on <time datetime="2008-02-14 20:00">Valentines day</time>.</p>
```

- **<tt>:** Not supported in HTML5. Use CSS instead.
  Defines teletype text

```html
<p style="font-family:'Lucida Console', monospace">This text is monospace text.</p>
```

- **<var> :** Defines a variable.

```
<p>The area of a triangle is: 1/2 x <var>b</var> x <var>h</var>, where <var>b</var> is the base, and
<var>h</var> is the vertical height.</p>
```

- **<wbr>:** Defines a possible line-break.

```
<p>To learn AJAX, you must be familiar with the XML<wbr>Http<wbr>Request Object.</p>
```

Forms and Input

- **<form>:** Defines an HTML form for user input.

```
<form action="/action_page.php" method="get">
  <label for="fname">First name:</label>
  <input type="text" id="fname" name="fname"><br><br>
  <label for="lname">Last name:</label>
  <input type="text" id="lname" name="lname"><br><br>
  <input type="submit" value="Submit">
</form>
```

- **<input>:** Defines an input control.

```
<form action="/action_page.php">
  <label for="fname">First name:</label>
  <input type="text" id="fname" name="fname"><br><br>
  <label for="lname">Last name:</label>
  <input type="text" id="lname" name="lname"><br><br>
  <input type="submit" value="Submit">
</form>
```

- **<textarea>:** Defines a multiline input control (text area).

```
<label for="w3review">Review of W3Schools:</label>

<textarea id="w3review" name="w3review" rows="4" cols="50">
At w3schools.com you will learn how to make a website. They offer free tutorials in all web development
technologies.
</textarea>
```

- **<button>:** Defines a clickable button.

```html
<button type="button">Click Me!</button>
```

- **<select>:** Defines a drop-down list.

```html
<label for="cars">Choose a car:</label>

<select name="cars" id="cars">
  <option value="volvo">Volvo</option>
  <option value="saab">Saab</option>
  <option value="mercedes">Mercedes</option>
  <option value="audi">Audi</option>
</select>
```

- **<optgroup> :** Defines a group of related options in a drop-down list.

```html
<label for="cars">Choose a car:</label>
<select  name="cars" id="cars">
  <optgroup label="Swedish Cars">
    <option value="volvo">Volvo</option>
    <option value="saab">Saab</option>
  </optgroup>
  <optgroup label="German Cars">
    <option value="mercedes">Mercedes</option>
    <option value="audi">Audi</option>
  </optgroup>
</select>
```

- **<option>:** Defines an option in a drop-down list.

```html
<label for="cars">Choose a car:</label>

<select id="cars">
  <option value="volvo">Volvo</option>
  <option value="saab">Saab</option>
  <option value="opel">Opel</option>
  <option value="audi">Audi</option>
</select>
```

- **<label>:** Defines a label for an <input> element

```html
<form action="/action_page.php">
  <input type="radio" id="html" name="fav_language" value="HTML">
  <label for="html">HTML</label><br>
  <input type="radio" id="css" name="fav_language" value="CSS">
  <label for="css">CSS</label><br>
  <input type="radio" id="javascript" name="fav_language" value="JavaScript">
  <label for="javascript">JavaScript</label><br><br>
  <input type="submit" value="Submit">
</form>
```

- **<fieldset>:** Groups related elements in a form.

```html
<form action="/action_page.php">
  <fieldset>
    <legend>Personalia:</legend>
    <label for="fname">First name:</label>
    <input type="text" id="fname" name="fname"><br><br>
    <label for="lname">Last name:</label>
    <input type="text" id="lname" name="lname"><br><br>
    <label for="email">Email:</label>
    <input type="email" id="email" name="email"><br><br>
    <label for="birthday">Birthday:</label>
    <input type="date" id="birthday" name="birthday"><br><br>
    <input type="submit" value="Submit">
  </fieldset>
</form>
```

Frames

- **<frame> :** Not supported in HTML5.
  Defines a window (a frame) in a frameset

```html
<iframe src="https://www.w3schools.com"></iframe>
```

- **<frameset>:** Not supported in HTML5.
  Defines a set of frames

```html
<iframe src="https://www.w3schools.com"></iframe>
```

- **<noframes>:** Not supported in HTML5.
  Defines an alternate content for users that do not support frames.

```html
<iframe src="https://www.w3schools.com"></iframe>
```

- **<iframe>:** Defines an inline frame.

```html
<iframe src="https://www.w3schools.com" title="W3Schools Free Online Web Tutorials"></iframe>
```

Images

- **<img>:** Defines an image.

```
<img src="img_girl.jpg" alt="Girl in a jacket" width="500" height="600">
```

- **<map>:** Defines a client-side image map.

```
<img src="workplace.jpg" alt="Workplace" usemap="#workmap" width="400" height="379">

<map name="workmap">
  <area shape="rect" coords="34,44,270,350" alt="Computer" href="computer.htm">
  <area shape="rect" coords="290,172,333,250" alt="Phone" href="phone.htm">
  <area shape="circle" coords="337,300,44" alt="Cup of coffee" href="coffee.htm">
</map>
```

- **<area>:** Defines an area inside an image map.

```
<img src="workplace.jpg" alt="Workplace" usemap="#workmap" width="400" height="379">

<map name="workmap">
  <area shape="rect" coords="34,44,270,350" alt="Computer" href="computer.htm">
  <area shape="rect" coords="290,172,333,250" alt="Phone" href="phone.htm">
  <area shape="circle" coords="337,300,44" alt="Cup of coffee" href="coffee.htm">
</map>
```

- **<canvas>:** Used to draw graphics, on the fly, via scripting (usually JavaScript).

```
<canvas id="myCanvas">
Your browser does not support the canvas tag.
</canvas>

<script>
let canvas = document.getElementById("myCanvas");
let ctx = canvas.getContext("2d");
ctx.fillStyle = "#FF0000";
ctx.fillRect(0, 0, 80, 80);
</script>
```

- **<figcaption>:** Defines a caption for a <figure> element.

```
<figure>
  <img src="pic_trulli.jpg" alt="Trulli" style="width:100%">
  <figcaption>Fig.1 - Trulli, Puglia, Italy.</figcaption>
</figure>
```

- **<figure> :** Specifies self-contained content.

```
<figure>
  <img src="pic_trulli.jpg" alt="Trulli" style="width:100%">
  <figcaption>Fig.1 - Trulli, Puglia, Italy.</figcaption>
</figure>
```

- **<picture> :** Defines a container for multiple image resources.

```
<picture>
  <source media="(min-width:650px)" srcset="img_pink_flowers.jpg">
  <source media="(min-width:465px)" srcset="img_white_flower.jpg">
  <img src="img_orange_flowers.jpg" alt="Flowers" style="width:auto;">
</picture>
```

- **<svg>:** Defines a container for SVG graphics.

```
<svg width="100" height="100">
  <circle cx="50" cy="50" r="40" stroke="green" stroke-width="4" fill="yellow" />
</svg>
```

Audio / Video

- **<audio>:** Defines sound content.

```
<audio controls>
  <source src="horse.ogg" type="audio/ogg">
  <source src="horse.mp3" type="audio/mpeg">
  Your browser does not support the audio tag.
</audio>
```

- **<source>:** Defines multiple media resources for media elements (<video>, <audio> and <picture>).

```
<audio controls>
  <source src="horse.ogg" type="audio/ogg">
  <source src="horse.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>
```

- **<track>:** Defines text tracks for media elements (<video> and <audio>).

```
<video width="320" height="240" controls>
  <source src="forrest_gump.mp4" type="video/mp4">
  <source src="forrest_gump.ogg" type="video/ogg">
  <track src="fgsubtitles_en.vtt" kind="subtitles" srclang="en" label="English">
  <track src="fgsubtitles_no.vtt" kind="subtitles" srclang="no" label="Norwegian">
</video>
```

- **<video>:** Defines a video or movie.

```
<video width="320" height="240" controls>
  <source src="movie.mp4" type="video/mp4">
  <source src="movie.ogg" type="video/ogg">
  Your browser does not support the video tag.
</video>
```

Links

- **<a>:** Defines a hyperlink.

```html
<a href="https://www.w3schools.com">Visit W3Schools.com!</a>
```

- **<link>:** Defines the relationship between a document and an external resource (most used to link to style sheets).

```html
<head>
    <link rel="stylesheet" href="styles.css">
</head>
```

- **<nav>:** Defines navigation links.

```html
<nav>
    <a href="/html/">HTML</a> |
    <a href="/css/">CSS</a> |
    <a href="/js/">JavaScript</a> |
    <a href="/python/">Python</a>
</nav>
```

Lists

- **<menu>:** Defines an alternative unordered list.

```
<menu>
    <li>Coffee</li>
    <li>Tea</li>
    <li>Milk</li>
</menu>
```

- ** :** Defines an unordered list.

```
<ul>
    <li>Coffee</li>
    <li>Tea</li>
    <li>Milk</li>
</ul>
```

- ** :** Defines an ordered list.

```
<ol>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>

<ol start="50">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
```

- **<li>:** Defines a list item.

```html
<ol>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>

<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
```

- **<dir>:** Not supported in HTML5. Use <ul> instead.
  Defines a directory list.

```html
<ul>
  <li>html</li>
  <li>xhtml</li>
  <li>css</li>
</ul>
```

- **<dl>:** Defines a description list.

```html
<dl>
  <dt>Coffee</dt>
  <dd>Black hot drink</dd>
  <dt>Milk</dt>
  <dd>White cold drink</dd>
</dl>
```

- **<dt> :** Defines a term/name in a description list.

```html
<dl>
   <dt>Coffee</dt>
   <dd>Black hot drink</dd>
   <dt>Milk</dt>
   <dd>White cold drink</dd>
</dl>
```

- **<dd>:** Defines a description of a term/name in a description list.

```html
<dl>
   <dt>Coffee</dt>
   <dd>Black hot drink</dd>
   <dt>Milk</dt>
   <dd>White cold drink</dd>
</dl>
```

Tables

- **<table>:** Defines a table.

```html
<table>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
</table>
```

- **<caption> :** Defines a table caption.

```html
<table>
  <caption>Monthly savings</caption>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
</table>
```

- **<th>:** Defines a header cell in a table.

```html
<table>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
  <tr>
    <td>February</td>
    <td>$80</td>
  </tr>
</table>
```

- **\<tr>** : Defines a row in a table.

```html
<table>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
  <tr>
    <td>February</td>
    <td>$80</td>
  </tr>
</table>
```

- **\<td>:** Defines a cell in a table.

```html
<table>
  <tr>
    <td>Cell A</td>
    <td>Cell B</td>
  </tr>
  <tr>
    <td>Cell C</td>
    <td>Cell D</td>
  </tr>
</table>
```

- **<thead>:** Groups the header content in a table.

```html
<table>
  <thead>
    <tr>
      <th>Month</th>
      <th>Savings</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>January</td>
      <td>$100</td>
    </tr>
    <tr>
      <td>February</td>
      <td>$80</td>
    </tr>
  </tbody>
  <tfoot>
    <tr>
      <td>Sum</td>
      <td>$180</td>
    </tr>
  </tfoot>
</table>
```

- **<tbody> :** Groups the body content in a table.

```html
<table>
  <thead>
    <tr>
      <th>Month</th>
      <th>Savings</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>January</td>
      <td>$100</td>
    </tr>
    <tr>
      <td>February</td>
      <td>$80</td>
    </tr>
  </tbody>
  <tfoot>
    <tr>
      <td>Sum</td>
      <td>$180</td>
    </tr>
  </tfoot>
</table>
```

- **<tfoot> :** Groups the footer content in a table.

```html
<table>
  <thead>
    <tr>
      <th>Month</th>
      <th>Savings</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>January</td>
      <td>$100</td>
    </tr>
    <tr>
      <td>February</td>
      <td>$80</td>
    </tr>
  </tbody>
  <tfoot>
    <tr>
      <td>Sum</td>
      <td>$180</td>
    </tr>
  </tfoot>
</table>
```

- **<col> :** Specifies column properties for each column within a <colgroup> element.

```html
<table>
  <colgroup>
    <col span="2" style="background-color:red">
    <col style="background-color:yellow">
  </colgroup>
  <tr>
    <th>ISBN</th>
    <th>Title</th>
    <th>Price</th>
  </tr>
  <tr>
    <td>3476896</td>
    <td>My first HTML</td>
    <td>$53</td>
  </tr>
</table>
```

- **<colgroup>:** Specifies a group of one or more columns in a table for formatting.

```html
<table>
  <colgroup>
    <col span="2" style="background-color:red">
    <col style="background-color:yellow">
  </colgroup>
  <tr>
    <th>ISBN</th>
    <th>Title</th>
    <th>Price</th>
  </tr>
  <tr>
    <td>3476896</td>
    <td>My first HTML</td>
    <td>$53</td>
  </tr>
</table>
```

Styles and Semantics

- **<style>:** Defines style information for a document.

```html
<html>
<head>
<style>
  h1 {color:red;}
  p {color:blue;}
</style>
</head>
<body>

<h1>A heading</h1>
<p>A paragraph.</p>

</body>
</html>
```

- **<div>:** Defines a section in a document.

```html
<html>
<head>
<style>
.myDiv {
  border: 5px outset red;
  background-color: lightblue;
  text-align: center;
}
</style>
</head>
<body>

<div class="myDiv">
  <h2>This is a heading in a div element</h2>
  <p>This is some text in a div element.</p>
</div>

</body>
</html>
```

- **<span>:** Defines a section in a document.

```html
<p>My mother has <span style="color:blue">blue</span> eyes.</p>
```

- **<header> :** Defines a header for a document or section.

```html
<article>
  <header>
    <h1>A heading here</h1>
    <p>Posted by John Doe</p>
    <p>Some additional information here</p>
  </header>
  <p>Lorem Ipsum dolor set amet....</p>
</article>
```

- **<hgroup>:** Defines a header and related content.

```html
<hgroup>
  <h2>Norway</h2>
  <p>The land with the midnight sun.</p>
</hgroup>
```

- **<footer>:** Defines a footer for a document or section.

```html
<footer>
  <p>Author: Hege Refsnes</p>
  <p><a href="mailto:hege@example.com">hege@example.com</a></p>
</footer>
```

- **<main> :** Specifies the main content of a document.

```html
<main>
  <h1>Most Popular Browsers</h1>
  <p>Chrome, Firefox, and Edge are the most used browsers today.</p>

  <article>
    <h2>Google Chrome</h2>
    <p>Google Chrome is a web browser developed by Google, released in 2008. Chrome is the world's most popular web browser today!</p>
  </article>

  <article>
    <h2>Mozilla Firefox</h2>
    <p>Mozilla Firefox is an open-source web browser developed by Mozilla. Firefox has been the second most popular web browser since January, 2018.</p>
  </article>

  <article>
    <h2>Microsoft Edge</h2>
    <p>Microsoft Edge is a web browser developed by Microsoft, released in 2015. Microsoft Edge replaced Internet Explorer.</p>
  </article>
</main>
```

- **<section>:** Defines a section in a document.

```html
<section>
<h2>WWF History</h2>
<p>The World Wide Fund for Nature (WWF) is an international organization working on issues regarding the conservation, research
and restoration of the environment, formerly named the World Wildlife Fund. WWF was founded in 1961.</p>
</section>

<section>
<h2>WWF's Symbol</h2>
<p>The Panda has become the symbol of WWF. The well-known panda logo of WWF originated from a panda named Chi Chi that was
transferred from the Beijing Zoo to the London Zoo in the same year of the establishment of WWF.</p>
</section>
```

- **<search>:** Defines a search section.

```html
<search>
  <form>
    <input name="fsrch" id="fsrch" placeholder="Search W3Schools">
  </form>
</search>
```

- **<article>:** Defines an article.

```html
<article>
<h2>Google Chrome</h2>
<p>Google Chrome is a web browser developed by Google, released in 2008. Chrome is the world's most popular web browser today!
</p>
</article>

<article>
<h2>Mozilla Firefox</h2>
<p>Mozilla Firefox is an open-source web browser developed by Mozilla. Firefox has been the second most popular web browser
since January, 2018.</p>
</article>

<article>
<h2>Microsoft Edge</h2>
<p>Microsoft Edge is a web browser developed by Microsoft, released in 2015. Microsoft Edge replaced Internet Explorer.</p>
</article>
```

- **<aside>:** Defines content aside from the page content.

```html
<p>My family and I visited The Epcot center this summer. The weather was nice, and Epcot was amazing! I had a great summer
together with my family!</p>

<aside>
<h4>Epcot Center</h4>
<p>Epcot is a theme park at Walt Disney World Resort featuring exciting attractions, international pavilions, award-winning
fireworks and seasonal special events.</p>
</aside>
```

- **<details>:** Defines additional details that the user can view or hide.

```
<details>
  <summary>Epcot Center</summary>
  <p>Epcot is a theme park at Walt Disney World Resort featuring exciting attractions, international pavilions, award-winning
fireworks and seasonal special events.</p>
</details>
```

- **<dialog>:** Defines a dialog box or window.

```
<dialog open>This is an open dialog window</dialog>
```

- **<summary>:** Defines a visible heading for a <details> element.

```
<details>
  <summary>Epcot Center</summary>
  <p>Epcot is a theme park at Walt Disney World Resort featuring exciting attractions, international pavilions, award-winning
fireworks and seasonal special events.</p>
</details>
```

- **<data>:** Adds a machine-readable translation of a given content.

```
<ul>
    <li><data value="21053">Cherry Tomato</data></li>
    <li><data value="21054">Beef Tomato</data></li>
    <li><data value="21055">Snack Tomato</data></li>
</ul>
```

Meta Info

- **\<head\>:** Defines information about the document.

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Title of the document</title>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

- **\<meta\>:** Defines metadata about an HTML document.

```html
<head>
  <meta charset="UTF-8">
  <meta name="description" content="Free Web tutorials">
  <meta name="keywords" content="HTML, CSS, JavaScript">
  <meta name="author" content="John Doe">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
```

- **\<base\>:** Specifies the base URL/target for all relative URLs in a document.

```html
<head>
  <base href="https://www.w3schools.com/" target="_blank">
</head>

<body>
<img src="images/stickman.gif" width="24" height="39" alt="Stickman">
<a href="tags/tag_base.asp">HTML base Tag</a>
</body>
```

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- **<basefont>:** Not supported in HTML5. Use CSS instead. Specifies a default color, size, and font for all text in a document.

```html
<html>
<head>
<style>
body {
    color: red;
}
</style>
</head>
<body>

<h1>This is a heading</h1>
<p>This is a paragraph.</p>

</body>
</html>
```

Programming

- **<script>:** Defines a client-side script

```html
<script>
document.getElementById("demo").innerHTML = "Hello JavaScript!";
</script>
```

- **<noscript>:** Defines an alternate content for users that do not support client-side scripts.

```html
<script>
document.write("Hello World!")
</script>
<noscript>Your browser does not support JavaScript!</noscript>
```

- **<applet>:**

Not supported in HTML5. Use <embed> or <object> instead.
Defines an embedded applet

```html
<video width="320" height="240" controls>
  <source src="movie.mp4" type="video/mp4">
  <source src="movie.ogg" type="video/ogg">
  Your browser does not support the video tag.
</video>
```

- **<embed>:** Defines a container for an external (non-HTML) application.

```html
<embed type="image/jpg" src="pic_trulli.jpg" width="300" height="200">
```

- **<object> :** Defines an embedded object.

```html
<object data="pic_trulli.jpg" width="300" height="200"></object>
```

- **<param> :** Defines a parameter for an object.

```html
<object data="horse.wav">
  <param name="autoplay" value="true">
</object>
```

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