|  |  |
| --- | --- |
| **Tags (Elements)** | **Description** |
| <article> | Represents an independent piece of content of a document, such as a blog entry or newspaper article |
| <aside > | Represents a piece of content that is only slightly related to the rest of the page. |
| <audio> | Defines an audio file. |
| <canvas> | This is used for rendering dynamic bitmap graphics on the fly, such as graphs or games. |
| <command> | Represents a command the user can invoke. |
| <datalist> | Together with the a new list attribute for input can be used to make comboboxes |
| <details> | Represents additional information or controls which the user can obtain on demand |
| <embed> | Defines external interactive content or plugin. |
| <figure> | Represents a piece of self-contained flow content, typically referenced as a single unit from the main flow of the document. |
| <footer> | Represents a footer for a section and can contain information about the author, copyright information, et cetera. |
| <header> | Represents a group of introductory or navigational aids. |
| <hgroup> | Represents the header of a section. |
|  |  |
| <mark> | Represents a run of text in one document marked or highlighted for reference purposes, due to its relevance in another context. |
| <meter> | Represents a measurement, such as disk usage. |
| <nav> | Represents a section of the document intended for navigation. |
| <output> | Represents some type of output, such as from a calculation done through scripting. |
| <progress> | Represents a completion of a task, such as downloading or when performing a series of expensive operations. |
|  |  |
| <section> | Represents a generic document or application section |
| <time > | Represents a date and/or time. |
| <video> | Defines a video file. |
| <wbr> | Represents a line break opportunity. |

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

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

**<title>HTML5 Elements Demo</title>**

**</head>**

**<body>**

**<!-- <header> and <hgroup> -->**

**<header>**

**<hgroup>**

**<h1>Welcome to HTML5 Elements Demo</h1>**

**<h2>Learn about semantic and multimedia tags</h2>**

**</hgroup>**

**</header>**

**<!-- <nav> -->**

**<nav>**

**<ul>**

**<li><a href="#article">Article</a></li>**

**<li><a href="#aside">Aside</a></li>**

**<li><a href="#media">Media</a></li>**

**</ul>**

**</nav>**

**<!-- <section> -->**

**<section id="article">**

**<!-- <article> -->**

**<article>**

**<h2>Article Title</h2>**

**<p>This is a standalone article section, such as a blog post.</p>**

**<!-- <mark> -->**

**<p>Don't forget to <mark>highlight</mark> important terms!</p>**

**</article>**

**</section>**

**<!-- <aside> -->**

**<aside id="aside">**

**<p>This is an aside. It contains content related to the article, like links or tips.</p>**

**</aside>**

**<!-- <details> and <summary> -->**

**<details>**

**<summary>Click here for more info</summary>**

**<p>This is hidden text revealed using the <code>&lt;details&gt;</code> tag.</p>**

**</details>**

**<!-- <figure> and <figcaption> -->**

**<figure>**

**<img src="https://via.placeholder.com/150" alt="Sample Image">**

**<figcaption>This is a caption for the image above.</figcaption>**

**</figure>**

**<!-- <footer> -->**

**<footer>**

**<p>Created by John Doe. &copy; 2025</p>**

**</footer>**

**<hr>**

**<!-- Media Section -->**

**<section id="media">**

**<!-- <audio> -->**

**<audio controls>**

**<source src="sample-audio.mp3" type="audio/mp3">**

**Your browser does not support the audio element.**

**</audio>**

**<!-- <video> -->**

**<video width="320" height="240" controls>**

**<source src="sample-video.mp4" type="video/mp4">**

**Your browser does not support the video tag.**

**</video>**

**<!-- <canvas> -->**

**<canvas id="myCanvas" width="200" height="100" style="border:1px solid #000;"></canvas>**

**<script>**

**const canvas = document.getElementById('myCanvas');**

**const ctx = canvas.getContext('2d');**

**ctx.fillStyle = 'blue';**

**ctx.fillRect(10, 10, 150, 75);**

**</script>**

**<!-- <embed> -->**

**<embed src="https://www.w3.org/WAI/ER/tests/xhtml/testfiles/resources/pdf/dummy.pdf" width="400" height="300" type="application/pdf">**

**<!-- <wbr> -->**

**<p>Use<wbr>Line<wbr>Break<wbr>Opportunities<wbr>For<wbr>Better<wbr>Wrapping</p>**

**</section>**

**<hr>**

**<!-- <datalist> with <input> -->**

**<label for="browsers">Choose your browser:</label>**

**<input list="browsers" name="browser" id="browser">**

**<datalist id="browsers">**

**<option value="Chrome">**

**<option value="Firefox">**

**<option value="Safari">**

**<option value="Edge">**

**</datalist>**

**<!-- <meter> -->**

**<p>Battery level: <meter value="0.7">70%</meter></p>**

**<!-- <progress> -->**

**<p>File download: <progress value="30" max="100">30%</progress></p>**

**<!-- <output> -->**

**<form oninput="result.value=parseInt(a.value)+parseInt(b.value)">**

**<input type="number" id="a" value="50"> +**

**<input type="number" id="b" value="50"> =**

**<output name="result" for="a b">100</output>**

**</form>**

**</p>**

**<!-- <time> -->**

**<p>The event starts at <time datetime="2025-04-19T20:00">8 PM on April 19, 2025</time>.</p>**

**<!-- <command> (Obsolete, only supported in old versions of Firefox) -->**

**<!-- <command label="Save" icon="icon.png" onclick="save()"> -->**

**</body>**

**</html>**

**Input Type attributes:**

1. [**color**](https://www.geeksforgeeks.org/html-input-typecolor/)**:** This input type allows the user to select a color from a color picker.
2. [**date**](https://www.geeksforgeeks.org/html-input-typedate/)**:**Thisinput type allows the user to select a date from a drop-down calendar.
3. [**time:**](https://www.geeksforgeeks.org/html-input-typetime/)This input type allows the user to enter a time.
4. **datetime:** This input type allows the user to select date and time along with timezone.
5. **datetime-local:**This input type allows the user to select both local date and time.
6. [**week**](https://www.geeksforgeeks.org/html-input-typeweek/)**:** This input type allows the user to select week and year from the drop-down calendar.
7. [**email**](https://www.geeksforgeeks.org/html-input-typeemail/)**:**This input type allows the user to enter an e-mail address.
8. [**month**](https://www.geeksforgeeks.org/html-input-typemonth/)**:**This input type allows the user to select a month and year from a drop-down calendar.
9. **number:** This input type allows the user to enter a numerical value.
10. **range:**This input type allows the user to enter a numerical value within aspecified range**.**
11. **search:** This input type allows the user to enter a search string within the input field.
12. **tel:**This input type allows the user to enter a telephone number.
13. **url:**This input type allows the user to enter the URL.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>HTML5 Input Types Demo</title>

</head>

<body>

<h1>HTML5 Input Types</h1>

<form>

<!-- 1. Color -->

<label>Choose a color:

<input type="color" name="color">

</label><br><br>

<!-- 2. Date -->

<label>Select a date:

<input type="date" name="date">

</label><br><br>

<!-- 3. Time -->

<label>Enter time:

<input type="time" name="time">

</label><br><br>

<!-- 4. Datetime (deprecated, won't work in most browsers) -->

<label>Enter datetime (deprecated):

<input type="datetime" name="datetime">

</label><br><br>

<!-- 5. Datetime-local -->

<label>Select local date and time:

<input type="datetime-local" name="datetime-local">

</label><br><br>

<!-- 6. Week -->

<label>Select a week:

<input type="week" name="week">

</label><br><br>

<!-- 7. Email -->

<label>Enter email:

<input type="email" name="email">

</label><br><br>

<!-- 8. Month -->

<label>Select a month:

<input type="month" name="month">

</label><br><br>

<!-- 9. Number -->

<label>Enter a number:

<input type="number" name="number" min="1" max="10">

</label><br><br>

<!-- 10. Range -->

<label>Select a value (0-100):

<input type="range" name="range" min="0" max="100">

</label><br><br>

<!-- 11. Search -->

<label>Search:

<input type="search" name="search">

</label><br><br>

<!-- 12. Tel -->

<label>Telephone:

<input type="tel" name="tel">

</label><br><br>

<!-- 13. URL -->

<label>Website URL:

<input type="url" name="url">

</label><br><br>

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

</form>

</body>

</html>