**Software Development – Training Manual - HTML**

**Trainee Guide**

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# HTML

## Introduction

HTML is a language for describing web pages.

* HTML stands for **H**yper **T**ext **M**arkup **L**anguage
* HTML is not a programming language, it is a **markup language**
* A markup language is a set of **markup tags**
* HTML uses **markup tags** to describe web pages

**HTML Tags**

HTML markup tags are usually called HTML tags

* HTML tags are keywords surrounded by **angle brackets** like <html>
* HTML tags normally **come in pairs** like <b> and </b>
* The first tag in a pair is the **start tag,** the second tag is the **end tag**
* Start and end tags are also called **opening tags** and **closing tags**

**HTML Documents = Web Pages**

* HTML documents **describe web pages**
* HTML documents **contain HTML tags** and plain text
* HTML documents are also **called web pages**

The purpose of a web browser (like Internet Explorer or Firefox) is to read HTML documents and display them as web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page.

**Editing HTML**

HTML can be written and edited using many different editors like Dreamweaver and Visual Studio.

However, in this tutorial we use a plain text editor (like Notepad) to edit HTML. We believe using a plain text editor is the best way to learn HTML.

## Get Started

**Create Your Own Test Web Page:**

HTML can also be written and edited using many different editors like Dreamweaver and Visual Studio.

However, in this tutorial we use a plain text editor (like Notepad) to edit HTML. We believe using a plain text editor is the best way to learn HTML.

How to create a web page with HTML tags –

1. Open “NotePad” application
2. Type in the below mentioned HTML example in a Notepad file
3. Save the file as “MyFirstHTML.html”
4. Note – the filename should always have extension as “.html” or “.htm”
5. Open Internet Explorer
6. Click on “File -> Open” menu
7. Browse to “MyFirstHTML.html”
8. Observe the output you get on the browser.

**Example:**

<html>  
<body>  
  
<h1>My First Heading</h1>  
  
<p>My first paragraph.</p>  
  
</body>  
</html>

Example Explained:

* The text between <html> and </html> describes the web page
* The text between <body> and </body> is the visible page content
* The text between <h1> and </h1> is displayed as a heading
* The text between <p> and </p> is displayed as a paragraph

## HTML Basics

IMPORTANT - Don't worry if the examples use tags you have not learned. You will learn about them in the next chapters.

**HTML Headings:**

HTML headings are defined with the <h1> to <h6> tags.

Example:

<h1>This is a heading</h1>  
<h2>This is a heading</h2>  
<h3>This is a heading</h3>

Try adding this in “MyFirstHTML.html” and run the file in the browser to see the output.

**HTML Paragraphs:**

HTML paragraphs are defined with the <p> tag.

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

Try adding this in “MyFirstHTML.html” and run the file in the browser to see the output.

**HTML Links:**

HTML links are defined with the <a> tag.

<a href="http://www.aressindia.com">This is link to Aress Software website</a>

Note: The link address is specified in the href attribute.

**HTML Images:**

HTML images are defined with the <img> tag.

<img src=" http://www.aressindia.com/assets/images/partners.jpg" width="104" height="142" />

Note: The name and the size of the image are provided as attributes.

## HTML Elements

An HTML element is everything from the start tag to the end tag:

|  |  |  |
| --- | --- | --- |
| **Start tag \*** | **Element content** | **End tag \*** |
| <p> | This is a paragraph | </p> |
| <a href="default.htm" > | This is a link | </a> |
| <br /> |  |  |

**\*** The start tag is often called the **opening tag**. The end tag is often called the **closing tag**.

**HTML Element Syntax:**

* An HTML element starts with a **start tag / opening tag**
* An HTML element ends with an **end tag / closing tag**
* The **element content** is everything between the start and the end tag
* Some HTML elements have **empty content**
* Empty elements are **closed in the start tag**
* Most HTML elements can have **attributes**

**Tip:** You will learn about attributes in the next chapter of this tutorial.

**Nested HTML Elements:**

Most HTML elements can be nested (can contain other HTML elements).

HTML documents consist of nested HTML elements.

**Example**

|  |
| --- |
| <html>  <body> <p>This is my first paragraph.</p> </body>  </html> |

The example above contains 3 HTML elements.

**Example Explained:**

**The <p> element:**

|  |
| --- |
| <p>This is my first paragraph.</p> |

The <p> element defines a paragraph in the HTML document.  
The element has a start tag <p> and an end tag </p>.  
The element content is: This is my first paragraph.

**The <body> element:**

|  |
| --- |
| <body> <p>This is my first paragraph.</p> </body> |

The <body> element defines the body of the HTML document.  
The element has a start tag <body> and an end tag </body>.  
The element content is another HTML element (a p element).

**The <html> element:**

|  |
| --- |
| <html>  <body> <p>This is my first paragraph.</p> </body>  </html> |

The <html> element defines the whole HTML document.  
The element has a start tag <html> and an end tag </html>.  
The element content is another HTML element (the body element).

**Don't Forget the End Tag:**

Some HTML elements might display correctly even if you forget the end tag:

|  |
| --- |
| <p>This is a paragraph <p>This is a paragraph |

IMPORTANT: The example above works in most browsers, because the closing tag is considered optional. Never rely on this. Many HTML elements will produce unexpected results and/or errors if you forget the end tag.

**Empty HTML Elements:**

HTML elements with no content are called empty elements.

<br> is an empty element without a closing tag (the <br> tag defines a line break).

**Tip:** In XHTML, all elements must be closed. Adding a slash inside the start tag, like <br />, is the proper way of closing empty elements in XHTML (and XML).

**HTML Tip: Use Lowercase Tags**

HTML tags are not case sensitive: <P> means the same as <p>. Many web sites use uppercase HTML tags.

W3Schools use lowercase tags because the World Wide Web Consortium (W3C) **recommends** lowercase in HTML 4, and **demands** lowercase tags in XHTML.

## HTML Attributes

* HTML elements can have **attributes**
* Attributes provide **additional information** about an element
* Attributes are always specified in **the start tag**
* Attributes come in name/value pairs like: **name="value"**

**Example:**

HTML links are defined with the <a> tag. The link address is specified in the href attribute:

<a href="http://www.aressindia.com">This is link to Aress Software website</a>

**Always Quote Attribute Values:**

Attribute values should always be enclosed in quotes.

Double style quotes are the most common, but single style quotes are also allowed.

Remark**Tip:** In some rare situations, when the attribute value itself contains quotes, it is necessary to use single quotes: name='John "ShotGun" Nelson'

**HTML Tip: Use Lowercase Attributes:**

Attribute names and attribute values are case-insensitive.

However, the World Wide Web Consortium (W3C) recommends lowercase attributes/attribute values in their HTML 4 recommendation.

Newer versions of (X)HTML will demand lowercase attributes.

**HTML Attributes Reference:**

Below is a list of some attributes that are standard for most HTML elements:

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| class | *classname* | Specifies a classname for an element |
| id | *id* | Specifies a unique id for an element |
| style | *style\_definition* | Specifies an inline style for an element |
| title | *tooltip\_text* | Specifies extra information about an element (displayed as a tool tip) |

The attributes listed below are standard, and are supported by all HTML and XHTML tags, with a few exceptions.

**Core Attributes:**

Not valid in base, head, html, meta, param, script, style, and title elements.

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description and Example** |
| class | *classname* | The class attribute specifies a classname for an element. To specify multiple classes for one element, separate the classnames with a space.  The class attribute is mostly used to point to a class in a style sheet. However, it can also be used by a JavaScript (via the HTML DOM) to make changes to HTML elements with a specified class.  Note: The class attribute cannot be used in the following HTML elements: base, head, html, meta, param, script, style, and title.  Tip: It is possible to assign multiple classes to one HTML element, e.g. <span class="left\_menu important">. This allows you to combine several CSS classes for one HTML element.  Tip: Do NOT start a class name with a number! This is only supported in Internet Explorer.  **Syntax:**  <*element* class="*value*">  **Example:**  <html> <head> <style type="text/css"> h1.intro {color:blue;} p.important {color:green;} </style> </head>  <body> <h1 class="intro">Header 1</h1> <p>A paragraph.</p> <p class="important">Note that this is an important paragraph.</p> </body> </html> |
| id | *id* | Specifies a unique id for an element  Naming rules:   * Must begin with a letter A-Z or a-z * Can be followed by: letters (A-Za-z), digits (0-9), hyphens ("-"), underscores ("\_"), colons (":"), and periods (".") * Values are case-sensitive   The id must be unique within the HTML document.  The id attribute can be used by a JavaScript (via the HTML DOM) or by CSS to make changes or style the element with the specified id.  **Syntax:**  <*element* id="*value*">  **Example:**  <html> <head> <script type="text/javascript"> function change\_header() { document.getElementById("myHeader").innerHTML="Nice day!"; } </script> </head>  <body> <h1 id="myHeader">Hello World!</h1> <button onclick="change\_header()">Change text</button> </body>  </html> |
| style | *style\_definition* | The style attribute specifies an inline style for an element.  The style attribute will override any style set globally, e.g. styles specified in the <style> tag or in an external style sheet.  Syntax:  <*element* style="*value*">  **Example:**  <h1 style="color:blue;text-align:center">This is a header</h1> <p style="color:green">This is a paragraph.</p> |
| title | *text* | The title attribute specifies extra information about an element.  The information is most often shown as a tooltip text when the mouse moves over the element.  Tip: The title attribute is often used with form and a elements, to provide information about input formats and link destinations. It is also a required attribute for the abbr and acronym elements.  Syntax:  <*element* title="*value*">  Example:  <abbr title="World Health Organization">WHO</abbr> was founded in 1948. <p title="Free Web tutorials">W3Schools.com</p> |

**Language Attributes:**

Not valid in base, br, frame, frameset, hr, iframe, param, and script elements.

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| dir | ltr rtl | Specifies the text direction for the content in an element |
| lang | *language\_code* | Specifies a language code for the content in an element. |
| xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents |

**Keyboard Attributes:**

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Value** | **Description** |
| accesskey | *character* | Specifies a keyboard shortcut to access an element |
| tabindex | *number* | Specifies the tab order of an element |

## HTML Tag Reference

|  |  |
| --- | --- |
| **Tag** | <!--...--> |
| **Description** | Defines a comment |
| **Usage** | The comment tag is used to insert a comment in the source code. A comment will be ignored by the browser. You can use comments to explain your code, which can help you when you edit the source code at a later date.  You can also store program-specific information inside comments. In this case they will not be visible for the user, but they are still available to the program. A good practice is to comment the text inside scripts and style elements to prevent older browsers, that do not support scripting or styles, from showing it as plain text. |
| **Standard Attributes** | The comment tag does not support any standard attributes. |
| **Event Attributes** | The comment tag does not support any event attributes. |
| **Example** | <!--This is a comment. Comments are not displayed in the browser--> <p>This is a paragraph.</p> |

|  |  |
| --- | --- |
| **Tag** | <!DOCTYPE> |
| **Description** | Defines for doctype |
| **Usage** | The doctype declaration should be the very first thing in an HTML document, before the <html> tag.  The doctype declaration is not an HTML tag; it is an instruction to the web browser about what version of the markup language the page is written in.  The doctype declaration refers to a Document Type Definition (DTD). The DTD specifies the rules for the markup language, so that the browsers render the content correctly. |
| **Standard Attributes** |  |
| **Event Attributes** |  |
| **Example** | <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"> <html> <head> <title>Title of the document</title> </head>  <body> The content of the document...... </body>  </html> |

|  |  |
| --- | --- |
| **Tag** | <a> |
| **Description** | Defines for link |
| **Usage** | The <a> tag defines an anchor. An anchor can be used in two ways:   1. To create a link to another document, by using the href attribute 2. To create a bookmark inside a document, by using the name attribute   The “a” element is usually referred to as a link or a hyperlink.  The most important attribute of the “a” element is the href attribute, which indicates the link’s destination.  By default, links will appear as follows in all browsers:   * An unvisited link is underlined and blue * A visited link is underlined and purple * An active link is underlined and red |
| **Standard Attributes** | The <a> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | accesskey | *character* | Specifies a keyboard shortcut to access an element | STF | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | tabindex | *number* | Specifies the tab order of an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <a> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onblur | *script* | Script to be run when an element loses focus | STF | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onfocus | *script* | Script to be run when an element gets focus | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <a href="http://www.w3schools.com">Visit W3Schools.com!</a> |

|  |  |
| --- | --- |
| **Tag** | <abbr> |
| **Description** | Define an abbreviated phrase |
| **Usage** | The <abbr> tag describes an abbreviated phrase.  By marking up abbreviations you can give useful information to browsers, spellcheckers, screen readers, translation systems and search-engines. |
| **Standard Attributes** | The <abbr> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <abbr> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | The <abbr title="World Health Organization">WHO</abbr> was founded in 1948. |

|  |  |
| --- | --- |
| **Tag** | <acronym> |
| **Description** | Defines an acronym |
| **Usage** | An acronym can be spoken as if it were a word, example NATO, NASA, ASAP, GUI.  By marking up acronyms you can give useful information to browsers, spellcheckers, screen readers, translation systems and search-engines. |
| **Standard Attributes** | The <acronym> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <acronym> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | Can I get this <acronym title="as soon as possible">ASAP</acronym>? |

|  |  |
| --- | --- |
| **Tag** | <address> |
| **Description** | Defines the contact information |
| **Usage** | The <address> tag defines the contact information for the author or owner of a document. This way, the reader is able to contact the document's owner.  The address element is usually added to the header or footer of a webpage. |
| **Standard Attributes** | The <address> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <address> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <address> Written by W3Schools.com<br /> <a href="mailto:us@example.org">Email us</a><br /> Address: Box 564, Disneyland<br /> Phone: +12 34 56 78 </address> |

|  |  |
| --- | --- |
| **Tag** | <applet> |
| **Description** | Defines an embedded applet. |
| **Usage** |  |
| **Standard Attributes** | The <applet> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | TF | | id | *id* | Specifies a unique id for an element | TF | | style | *style\_definition* | Specifies an inline style for an element | TF | | title | *text* | Specifies extra information about an element | TF | |
| **Event Attributes** | The <applet> tag does not support any event attributes. |
| **Example** | <applet code="Bubbles.class" width="350" height="350"> Java applet that draws animated bubbles. </applet> |

|  |  |
| --- | --- |
| **Tag** | <area> |
| **Description** | Defines an area inside an image-map (an image-map is an image with clickable areas). |
| **Usage** | The area element is always nested inside a <map> tag. Note: The usemap attribute in the <img> tag is associated with the map element's name attribute, and creates a relationship between the image and the map. |
| **Standard Attributes** | The <area> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | accesskey | *character* | Specifies a keyboard shortcut to access an element | STF | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | tabindex | *number* | Specifies the tab order of an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <area> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onblur | *script* | Script to be run when an element loses focus | STF | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onfocus | *script* | Script to be run when an element gets focus | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <img src ="planets.gif" width="145" height="126" alt="Planets" usemap ="#planetmap" />  <map name="planetmap">   <area shape="rect" coords="0,0,82,126" href="sun.htm" alt="Sun" />   <area shape="circle" coords="90,58,3" href="mercur.htm" alt="Mercury" />   <area shape="circle" coords="124,58,8" href="venus.htm" alt="Venus" /> </map> |

|  |  |
| --- | --- |
| **Tag** | <tt> <i> <b> <big> <small> |
| **Description** |  |
| **Usage** | The <tt>, <i>, <b>, <big>, and <small> tags are all font-style tags. Font-style tags are defined in HTML4, but it is strongly recommended to use CSS styling instead. |
| **Standard Attributes** | The <tt>, <i>, <b>, <big>, and <small> tags support the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <tt>, <i>, <b>, <big>, and <small> tags support the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <tt>Teletype text</tt> <i>Italic text</i> <b>Bold text</b> <big>Big text</big> <small>Small text</small> |

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| **Tag** | <base> |
| **Description** | The <base> tag specifies a default address or a default target for all links on a page. |
| **Usage** | The <base> tag goes inside the head element. |
| **Standard Attributes** | The <base> tag does not support any standard attributes. |
| **Event Attributes** | The <base> tag does not support any event attributes. |
| **Example** | <head> <base href="http://www.w3schools.com/images/" /> <base target="\_blank" /> </head>  <body> <img src="stickman.gif" /> <a href="http://www.w3schools.com">W3Schools</a> </body> |

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| **Tag** | <basefont> |
| **Description** | The <basefont> tag specifies a default font-color, font-size, or font-family for all the text in a document. |
| **Usage** |  |
| **Standard Attributes** | The <basefont> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | TF | | dir | rtl ltr | Specifies the text direction for the content in an element | TF | | id | *id* | Specifies a unique id for an element | TF | | lang | *language\_code* | Specifies a language code for the content in an element | TF | | style | *style\_definition* | Specifies an inline style for an element | TF | | title | *text* | Specifies extra information about an element | TF | |
| **Event Attributes** | The <basefont> tag does not support any event attributes. |
| **Example** | <head> <basefont color="red" size="5" /> </head>  <body> <h1>This is a header</h1> <p>This is a paragraph</p> </body> |

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| **Tag** | <bdo> |
| **Description** | bdo stand for bidirectional override. |
| **Usage** | The <bdo> tag allows you to specify the text direction and override the bidirectional algorithm. |
| **Standard Attributes** | The <bdo> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <bdo> tag does not support any event attributes. |
| **Example** | <bdo dir="rtl">Here is some Hebrew text!</bdo> |

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| **Tag** | <blockquote> |
| **Description** | Defines a long quotation |
| **Usage** | A browser inserts white space before and after a blockquote element. It also insert margins for the blockquote element. |
| **Standard Attributes** | The <blockquote> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <blockquote> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <blockquote> Here is a long quotation here is a long quotation here is a long quotation here is a long quotation here is a long quotation here is a long quotation here is a long quotation here is a long quotation here is a long quotation. </blockquote> |

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| **Tag** | <body> |
| **Description** | The body element defines the document's body. |
| **Usage** | The body element contains all the contents of an HTML document, such as text, hyperlinks, images, tables, lists, etc. |
| **Standard Attributes** | The <body> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <body> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onload | *script* | Script to be run when a document load |  | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | | onunload | *script* | Script to be run when a document unload |  | |
| **Example** | <html> <head> <title>Title of the document</title> </head>  <body> The content of the document...... </body>  </html> |

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| **Tag** | <br /> |
| **Description** | The <br> tag inserts a single line break |
| **Usage** | The <br> tag is an empty tag which means that it has no end tag. |
| **Standard Attributes** | The <br> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | id | *id* | Specifies a unique id for an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | |
| **Event Attributes** | The <br> tag does not support any event attributes. |
| **Example** | This text contains<br />a line break. |

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| **Tag** | <button> |
| **Description** | Defines a push button |
| **Usage** | Inside a button element you can put content, like text or images. This is the difference between this element and buttons created with the input element.  Always specify the type attribute for the button. The default type for Internet Explorer is "button", while in other browsers (and in the W3C specification) it is "submit". |
| **Standard Attributes** | The <button> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | accesskey | *character* | Specifies a keyboard shortcut to access an element | STF | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | tabindex | *number* | Specifies the tab order of an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <button> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onblur | *script* | Script to be run when an element loses focus | STF | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onfocus | *script* | Script to be run when an element gets focus | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <button type="button">Click Me!</button> |

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| **Tag** | <caption> |
| **Description** | The <caption> tag defines a table caption. |
| **Usage** | The <caption> tag must be inserted immediately after the <table> tag. You can specify only one caption per table. Usually the caption will be centered above the table. |
| **Standard Attributes** | The <caption> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <caption> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <table border="1">   <caption>Monthly savings</caption>   <tr>     <th>Month</th>     <th>Savings</th>   </tr>   <tr>     <td>January</td>     <td>$100</td>   </tr> </table> |

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| **Tag** | <center> |
| **Description** | The <center> tag is used to center text |
| **Usage** |  |
| **Standard Attributes** | The <center> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | TF | | dir | rtl ltr | Specifies the text direction for the content in an element | TF | | id | *id* | Specifies a unique id for an element | TF | | lang | *language\_code* | Specifies a language code for the content in an element | TF | | style | *style\_definition* | Specifies an inline style for an element | TF | | title | *text* | Specifies extra information about an element | TF | |
| **Event Attributes** | The <center> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | TF | | ondblclick | *script* | Script to be run on a mouse double-click | TF | | onmousedown | *script* | Script to be run when mouse button is pressed | TF | | onmousemove | *script* | Script to be run when mouse pointer moves | TF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | TF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | TF | | onmouseup | *script* | Script to be run when mouse button is released | TF | | onkeydown | *script* | Script to be run when a key is pressed | TF | | onkeypress | *script* | Script to be run when a key is pressed and released | TF | | onkeyup | *script* | Script to be run when a key is released | TF | |
| **Example** | <center>This text will be centered.</center> |

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| **Tag** | <col> |
| **Description** | Defines attribute values for one or more columns in a table. |
| **Usage** | The <col> tag is useful for applying styles to entire columns, instead of repeating the styles for each cell, for each row.  The <col> tag can only be used inside a table or a colgroup element. |
| **Standard Attributes** | The <col> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <col> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <table width="100%" border="1">   <col align="left" />   <col align="left" />   <col align="right" />   <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> |

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| **Tag** | <colgroup> |
| **Description** | The <colgroup> tag is used to group columns in a table for formatting. |
| **Usage** | The <colgroup> tag is useful for applying styles to entire columns, instead of repeating the styles for each cell, for each row.  The <colgroup> tag can only be used inside a table element. |
| **Standard Attributes** | The <colgroup> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <colgroup> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <table width="100%" border="1">   <colgroup span="2" align="left"></colgroup>   <colgroup align="right" style="color:#0000FF;"></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> |

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| **Tag** | <dd> |
| **Description** | The <dd> tag is used to describe an item in a definition list. |
| **Usage** | The <dd> tag is used in conjunction with <dl> (defines the definition list) and <dt> (defines the item in the list).  Inside a <dd> tag you can put paragraphs, line breaks, images, links, lists, etc. |
| **Standard Attributes** | The <dd> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <dd> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <dl>   <dt>Coffee</dt>     <dd>- black hot drink</dd>   <dt>Milk</dt>     <dd>- white cold drink</dd> </dl> |

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| **Tag** | <del> |
| **Description** | The <del> tag defines text that has been deleted from a document. |
| **Usage** |  |
| **Standard Attributes** | The <del> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <del> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <p>My favorite color is <del>blue</del> <ins>red</ins>!</p> |

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| **Tag** | <dir> |
| **Description** | The <dir> tag is used to list directory titles. |
| **Usage** |  |
| **Standard Attributes** | The <dir> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | TF | | dir | rtl ltr | Specifies the text direction for the content in an element | TF | | id | *id* | Specifies a unique id for an element | TF | | lang | *language\_code* | Specifies a language code for the content in an element | TF | | style | *style\_definition* | Specifies an inline style for an element | TF | | title | *text* | Specifies extra information about an element | TF | |
| **Event Attributes** | The <dir> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | TF | | ondblclick | *script* | Script to be run on a mouse double-click | TF | | onmousedown | *script* | Script to be run when mouse button is pressed | TF | | onmousemove | *script* | Script to be run when mouse pointer moves | TF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | TF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | TF | | onmouseup | *script* | Script to be run when mouse button is released | TF | | onkeydown | *script* | Script to be run when a key is pressed | TF | | onkeypress | *script* | Script to be run when a key is pressed and released | TF | | onkeyup | *script* | Script to be run when a key is released | TF | |
| **Example** | <dir>   <li>html</li>   <li>xhtml</li>   <li>css</li> </dir> |

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| **Tag** | <div> |
| **Description** | The <div> tag defines a division or a section in an HTML document. |
| **Usage** | The <div> tag is often used to group block-elements to format them with styles. |
| **Standard Attributes** | The <div> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <div> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <div style="color:#00FF00">   <h3>This is a header</h3>   <p>This is a paragraph.</p> </div> |

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| **Tag** | <dl> |
| **Description** | The <dl> tag defines a definition list. |
| **Usage** | The <dl> tag is used in conjunction with <dt> (defines the item in the list) and <dd> (describes the item in the list). |
| **Standard Attributes** | The <dl> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <dl> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <dl>   <dt>Coffee</dt>     <dd>- black hot drink</dd>   <dt>Milk</dt>     <dd>- white cold drink</dd> </dl> |

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| **Tag** | <dt> |
| **Description** | The <dt> tag defines an item in a definition list. |
| **Usage** | The <dt> tag is used in conjunction with <dl> (defines the definition list) and <dd> (describes the item in the list). |
| **Standard Attributes** | The <dt> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <dt> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <dl>   <dt>Coffee</dt>     <dd>- black hot drink</dd>   <dt>Milk</dt>     <dd>- white cold drink</dd> </dl> |

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| **Tag** | <fieldset> |
| **Description** | The <fieldset> tag is used to logically group together elements in a form.  The <fieldset> tag draws a box around the related form elements.  The <legend> tag defines a caption for the fieldset element. |
| **Usage** |  |
| **Standard Attributes** | The <fieldset> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <fieldset> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <form>   <fieldset>     <legend>Personalia:</legend>     Name: <input type="text" size="30" /><br />     Email: <input type="text" size="30" /><br />     Date of birth: <input type="text" size="10" />   </fieldset> </form> |

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| **Tag** | <font> |
| **Description** | The <font> tag specifies the font face, font size, and font color of text. |
| **Usage** |  |
| **Standard Attributes** | The <font> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | TF | | dir | rtl ltr | Specifies the text direction for the content in an element | TF | | id | *id* | Specifies a unique id for an element | TF | | lang | *language\_code* | Specifies a language code for the content in an element | TF | | style | *style\_definition* | Specifies an inline style for an element | TF | | title | *text* | Specifies extra information about an element | TF | |
| **Event Attributes** | The <font> tag does not support any event attributes. |
| **Example** | <font size="3" color="red">This is some text!</font>  <font size="2" color="blue">This is some text!</font>  <font face="verdana" color="green">This is some text!</font> |

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| **Tag** | <form> |
| **Description** | The <form> tag is used to create an HTML form for user input. |
| **Usage** | A form can contain input elements like text fields, checkboxes, radio-buttons, submit buttons and more. A form can also contain select menus, textarea, fieldset, legend, and label elements.  Forms are used to pass data to a server. |
| **Standard Attributes** | The <form> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <form> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | | onreset | *script* | Script to be run when a form is reset |  | | onsubmit | *script* | Script to be run when a form is submitted |  | |
| **Example** | <form action="form\_action.asp" method="get">   First name: <input type="text" name="fname" /><br />   Last name: <input type="text" name="lname" /><br />   <input type="submit" value="Submit" /> </form> |

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| **Tag** | <frame> |
| **Description** | The <frame> tag defines one particular window (frame) within a frameset. |
| **Usage** | Each frame in a frameset can have different attributes, such as border, scrolling, the ability to resize, etc. |
| **Standard Attributes** | The <frame> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | F | | id | *id* | Specifies a unique id for an element | F | | style | *style\_definition* | Specifies an inline style for an element | F | | title | *text* | Specifies extra information about an element | F | |
| **Event Attributes** | According to the W3C, the <frame> tag does not support any event attributes. |
| **Example** | <html>  <frameset cols="25%,50%,25%">   <frame src="frame\_a.htm" />   <frame src="frame\_b.htm" />   <frame src="frame\_c.htm" /> </frameset>  </html> |

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| **Tag** | <frameset> |
| **Description** | The <frameset> tag defines a frameset. |
| **Usage** | The frameset element holds one or more frame elements. Each frame element can hold a separate document.  The frameset element states HOW MANY columns or rows there will be in the frameset, and HOW MUCH percentage/pixels of space will occupy each of them. |
| **Standard Attributes** | The <frameset> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | F | | id | *id* | Specifies a unique id for an element | F | | style | *style\_definition* | Specifies an inline style for an element | F | | title | *text* | Specifies extra information about an element | F | |
| **Event Attributes** | The <frameset> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onload | *script* | Script to be run when a document load | F | | onunload | *script* | Script to be run when a document unload | F | |
| **Example** | <html>  <frameset cols="25%,\*,25%">   <frame src="frame\_a.htm" />   <frame src="frame\_b.htm" />   <frame src="frame\_c.htm" /> </frameset>  </html> |

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| **Tag** | <head> |
| **Description** | The head element is a container for all the head elements. Elements inside <head> can include scripts, instruct the browser where to find style sheets, provide meta information, and more. |
| **Usage** | The following tags can be added to the head section: <base>, <link>, <meta>, <script>, <style>, and <title>.  The <title> tag defines the title of the document, and is the only required element in the head section! |
| **Standard Attributes** | The <head> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <head> tag does not support any event attributes. |
| **Example** | <html> <head> <title>Title of the document</title> </head>  <body> The content of the document...... </body>  </html> |

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| **Tag** | <h1> to <h6> |
| **Description** | The <h1> to <h6> tags are used to define HTML headings. |
| **Usage** | <h1> defines the most important heading. <h6> defines the least important heading. |
| **Standard Attributes** | The <h1> to <h6> tags support the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <h1> to <h6> tags support the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <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> |

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| **Tag** | <hr> |
| **Description** | The <hr> tag creates a horizontal line in an HTML page.  The hr element can be used to separate content in an HTML page. |
| **Usage** |  |
| **Standard Attributes** | The <hr> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <hr> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <p>This is some text.</p> <hr /> <p>This is some text.</p> |

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| **Tag** | <html> |
| **Description** | The <html> tag tells the browser that this is an HTML document. |
| **Usage** | The html element is the outermost element in HTML and XHTML documents. The html element is also known as the root element. |
| **Standard Attributes** | The <html> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <html> tag does not support any event attributes. |
| **Example** | <html> <head> <title>Title of the document</title> </head>  <body> The content of the document...... </body>  </html> |

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| **Tag** | <iframe> |
| **Description** | The <iframe> tag defines an inline frame that contains another document. |
| **Usage** |  |
| **Standard Attributes** | The <iframe> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | TF | | id | *id* | Specifies a unique id for an element | TF | | style | *style\_definition* | Specifies an inline style for an element | TF | | title | *text* | Specifies extra information about an element | TF | |
| **Event Attributes** | According to the W3C, the <iframe> tag does not support any event attributes. |
| **Example** | <iframe src="html\_intro.asp" width="100%" height="300">   <p>Your browser does not support iframes.</p> </iframe> |

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| **Tag** | <img> |
| **Description** | The <img> tag embeds an image in an HTML page. |
| **Usage** | Notice that images are not technically inserted into an HTML page, images are linked to HTML pages. The <img> tag creates a holding space for the referenced image.  The <img> tag has two required attributes: src and alt. |
| **Standard Attributes** | The <img> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <img> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onabort | *script* | Script to be run when loading of an image is interrupted | STF | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <img src="angry.gif" alt="Angry face" /> |

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| **Tag** | <input> |
| **Description** | The <input> tag is used to select user information. |
| **Usage** | An input field can vary in many ways, depending on the type attribute. An input field can be a text field, a checkbox, a password field, a radio button, a button, and more. |
| **Standard Attributes** | The <input> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | accesskey | *character* | Specifies a keyboard shortcut to access an element | STF | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | tabindex | *number* | Specifies the tab order of an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <input> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onblur | *script* | Script to be run when an element loses focus | STF | | onchange | *script* | Script to be run when an element change | STF | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onfocus | *script* | Script to be run when an element gets focus | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | | onselect | *script* | Script to be run when an element is selected | STF | |
| **Example** | <form action="form\_action.asp" method="get">   First name: <input type="text" name="fname" /><br />   Last name: <input type="text" name="lname" /><br />   <input type="submit" value="Submit" /> </form> |

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| **Tag** | <ins> |
| **Description** | The <ins> tag defines text that has been inserted into a document. |
| **Usage** |  |
| **Standard Attributes** | The <ins> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <ins> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <p>My favorite color is <del>blue</del> <ins>red</ins>!</p> |

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| **Tag** | <label> |
| **Description** | The <label> tag defines a label for an input element. |
| **Usage** | The label element does not render as anything special for the user. However, it provides a usability improvement for mouse users, because if the user clicks on the text within the label element, it toggles the control.  The for attribute of the <label> tag should be equal to the id attribute of the related element to bind them together. |
| **Standard Attributes** | The <label> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | accesskey | *character* | Specifies a keyboard shortcut to access an element | STF | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <label> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onblur | *script* | Script to be run when an element loses focus | STF | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onfocus | *script* | Script to be run when an element gets focus | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <form>   <label for="male">Male</label>   <input type="radio" name="sex" id="male" />   <br />   <label for="female">Female</label>   <input type="radio" name="sex" id="female" /> </form> |

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| **Tag** | <legend> |
| **Description** | The <legend> tag defines a caption for the [fieldset](http://www.w3schools.com/tags/tag_fieldset.asp) element. |
| **Usage** |  |
| **Standard Attributes** | The <legend> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | accesskey | *character* | Specifies a keyboard shortcut to access an element | STF | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <legend> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <form>   <fieldset>     <legend>Personalia:</legend>     Name: <input type="text" size="30" /><br />     Email: <input type="text" size="30" /><br />     Date of birth: <input type="text" size="10" />   </fieldset> </form> |

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| **Tag** | <li> |
| **Description** | The <li> tag defines a list item. |
| **Usage** | The <li> tag is used in both ordered (<ol>) and unordered (<ul>) lists. |
| **Standard Attributes** | The <li> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <li> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <ol>   <li>Coffee</li>   <li>Tea</li>   <li>Milk</li> </ol>  <ul>   <li>Coffee</li>   <li>Tea</li>   <li>Milk</li> </ul> |

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| **Tag** | <link> |
| **Description** | The <link> tag defines the relationship between a document and an external resource. |
| **Usage** | The <link> tag is most used to link to style sheets. |
| **Standard Attributes** | The <link> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | According to the W3C standard, the <link> tag supports event attributes. However, since the link element is located in the head section, we cannot see any use for this.   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <head> <link rel="stylesheet" type="text/css" href="theme.css" /> </head> |

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| **Tag** | <map> |
| **Description** | The <map> tag is used to define a client-side image-map. An image-map is an image with clickable areas.  The name attribute is required in the map element. This attribute is associated with the <img>'s usemap attribute and creates a relationship between the image and the map. |
| **Usage** | The map element contains a number of area elements, that defines the clickable areas in the image map. |
| **Standard Attributes** | The <map> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <map> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <img src="planets.gif" width="145" height="126" alt="Planets" usemap="#planetmap" />  <map name="planetmap">   <area shape="rect" coords="0,0,82,126" href="sun.htm" alt="Sun" />   <area shape="circle" coords="90,58,3" href="mercur.htm" alt="Mercury" />   <area shape="circle" coords="124,58,8" href="venus.htm" alt="Venus" /> </map> |

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| **Tag** | <menu> |
| **Description** | The <menu> tag is used to create a list of menu choices. |
| **Usage** |  |
| **Standard Attributes** | The <menu> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | TF | | dir | rtl ltr | Specifies the text direction for the content in an element | TF | | id | *id* | Specifies a unique id for an element | TF | | lang | *language\_code* | Specifies a language code for the content in an element | TF | | style | *style\_definition* | Specifies an inline style for an element | TF | | title | *text* | Specifies extra information about an element | TF | |
| **Event Attributes** | The <menu> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | TF | | ondblclick | *script* | Script to be run on a mouse double-click | TF | | onmousedown | *script* | Script to be run when mouse button is pressed | TF | | onmousemove | *script* | Script to be run when mouse pointer moves | TF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | TF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | TF | | onmouseup | *script* | Script to be run when mouse button is released | TF | | onkeydown | *script* | Script to be run when a key is pressed | TF | | onkeypress | *script* | Script to be run when a key is pressed and released | TF | | onkeyup | *script* | Script to be run when a key is released | TF | |
| **Example** | <menu>   <li>html</li>   <li>xhtml</li>   <li>css</li> </menu> |

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| **Tag** | <meta> |
| **Description** | Metadata is information about data.  The <meta> tag provides metadata about the HTML document. Metadata will not be displayed on the page, but will be machine parsable.  Meta elements are typically used to specify page description, keywords, author of the document, last modified, and other metadata. |
| **Usage** | The <meta> tag always goes inside the head element.  The metadata can be used by browsers (how to display content or reload page), search engines (keywords), or other web services. |
| **Standard Attributes** | The <meta> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <meta> tag does not support any event attributes. |
| **Example** | <head> <meta name="description" content="Free Web tutorials" /> <meta name="keywords" content="HTML,CSS,XML,JavaScript" /> <meta name="author" content="Hege Refsnes" /> <meta http-equiv="content-type" content="text/html;charset=UTF-8" /> </head> |

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| **Tag** | <noframes> |
| **Description** | The <noframes> tag is used for browsers that do not handle frames.  The noframes element can contain all the elements that you can find inside the body element of a normal HTML page. |
| **Usage** | The noframes element is most used to link to a non-frameset version of the web site or to display a message to users that frames are required.  The noframes element goes inside the frameset element. |
| **Standard Attributes** | DTD indicates in which HTML 4.01/XHTML 1.0 DTD the attribute is allowed. S=Strict, T=Transitional, and F=Frameset.  The <noframes> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | TF | | dir | rtl ltr | Specifies the text direction for the content in an element | TF | | id | *id* | Specifies a unique id for an element | TF | | lang | *language\_code* | Specifies a language code for the content in an element | TF | | style | *style\_definition* | Specifies an inline style for an element | TF | | title | *text* | Specifies extra information about an element | TF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | TF | |
| **Event Attributes** | The <noframes> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | TF | | ondblclick | *script* | Script to be run on a mouse double-click | TF | | onmousedown | *script* | Script to be run when mouse button is pressed | TF | | onmousemove | *script* | Script to be run when mouse pointer moves | TF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | TF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | TF | | onmouseup | *script* | Script to be run when mouse button is released | TF | | onkeydown | *script* | Script to be run when a key is pressed | TF | | onkeypress | *script* | Script to be run when a key is pressed and released | TF | | onkeyup | *script* | Script to be run when a key is released | TF | |
| **Example** | <html> <frameset cols="25%,50%,25%">   <frame src="frame\_a.htm" />   <frame src="frame\_b.htm" />   <frame src="frame\_c.htm" />   <noframes>     Sorry, your browser does not handle frames!   </noframes> </frameset> </html> |

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| **Tag** | <noscript> |
| **Description** | The <noscript> tag is used to provide an alternate content for users that have disabled scripts in their browser or have a browser that doesn’t support client-side scripting. |
| **Usage** | The noscript element can contain all the elements that you can find inside the body element of a normal HTML page.  The content inside the noscript element will only be displayed if scripts are not supported, or are disabled in the user’s browser. |
| **Standard Attributes** | DTD indicates in which HTML 4.01/XHTML 1.0 DTD the attribute is allowed. S=Strict, T=Transitional, and F=Frameset.  The <noscript> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | According to the W3C standard, the <noscript> tag supports event attributes. However, since the noscript element is used to provide an alternate content for users that have disabled scripts, we cannot see any use for this.   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <script type="text/javascript"> document.write("Hello World!") </script> <noscript>Your browser does not support JavaScript!</noscript> |

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| **Tag** | <object> |
| **Description** | The <object> tag is used to include objects such as images, audio, videos, Java applets, ActiveX, PDF, and Flash.  The object element was intended to replace the img and applet elements. However, because of bugs and a lack of browser support this has not happened. |
| **Usage** | The object support in browsers depend on the object type. Unfortunately, the major browsers use different codes to load the same object type.  Luckily, the object element provides a solution. If the object element is not displayed, the code between the <object> and </object> tags will be executed. This way we can have several nested object elements (one for each browser). |
| **Standard Attributes** | The <object> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | tabindex | *number* | Specifies the tab order of an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <object> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <object width="400" height="400"> <param name="movie" value="/flash/helloworld.swf"> </object> |

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| **Tag** | <ol> |
| **Description** | The <ol> tag is used to create an ordered list. |
| **Usage** | The list can be numerical or alphabetical. |
| **Standard Attributes** | The <ol> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <ol> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <ol>   <li>Coffee</li>   <li>Tea</li>   <li>Milk</li> </ol> |

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| **Tag** | <optgroup> |
| **Description** | <select>   <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> |
| **Usage** | The <optgroup> tag is used to group together related options in a select list. |
| **Standard Attributes** | If you have a long list of options, groups of related options are easier to handle for the user. |
| **Event Attributes** | The <optgroup> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Example** | The <optgroup> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |

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| **Tag** | <option> |
| **Description** | The <option> tag defines an option in a select list. |
| **Usage** | The option element goes inside the select element. |
| **Standard Attributes** | The <option> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <option> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <select>   <option>Volvo</option>   <option>Saab</option>   <option>Mercedes</option>   <option>Audi</option> </select> |

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| **Tag** | <p> |
| **Description** | The <p> tag defines a paragraph. |
| **Usage** | The p element automatically creates some space before and after itself. The space is automatically applied by the browser, or you can specify it in a style sheet. |
| **Standard Attributes** | The <p> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <p> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <p>This is some text in a paragraph.</p> |

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| **Tag** | <param> |
| **Description** | The <param> tag is used to define parameters or variables for an object or applet element. |
| **Usage** |  |
| **Standard Attributes** | The <param> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | id | *id* | Specifies a unique id for an element | STF | |
| **Event Attributes** | The <param> tag does not support any event attributes. |
| **Example** | <object classid="clsid:F08DF954-8592-11D1-B16A-00C0F0283628" id="Slider1" width="100" height="50">   <param name="BorderStyle" value="1" />   <param name="MousePointer" value="0" />   <param name="Enabled" value="1" />   <param name="Min" value="0" />   <param name="Max" value="10" /> </object> |

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| **Tag** | <pre> |
| **Description** | The <pre> tag defines preformatted text. |
| **Usage** | Text in a pre element is displayed in a fixed-width font (usually Courier), and it preserves both spaces and line breaks. |
| **Standard Attributes** | The <pre> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <pre> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <pre> Text in a pre element is displayed in a fixed-width font, and it preserves both      spaces and line breaks </pre> |

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| **Tag** | <q> |
| **Description** | The <q> tag defines a short quotation. |
| **Usage** | The browser will insert quotation marks around the quotation. |
| **Standard Attributes** | The <q> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <q> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <q> Here is a short quotation here is a short quotation </q> |

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| **Tag** | <s> and <strike> |
| **Description** | The <s> and <strike> tags defines strikethrough text. |
| **Usage** |  |
| **Standard Attributes** | DTD indicates in which HTML 4.01/XHTML 1.0 DTD the attribute is allowed. S=Strict, T=Transitional, and F=Frameset.  The <s> and <strike> tags support the following standard attributes:|   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | TF | | dir | rtl ltr | Specifies the text direction for the content in an element | TF | | id | *id* | Specifies a unique id for an element | TF | | lang | *language\_code* | Specifies a language code for the content in an element | TF | | style | *style\_definition* | Specifies an inline style for an element | TF | | title | *text* | Specifies extra information about an element | TF | |
| **Event Attributes** | The <s> and <strike> tags support the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | TF | | ondblclick | *script* | Script to be run on a mouse double-click | TF | | onmousedown | *script* | Script to be run when mouse button is pressed | TF | | onmousemove | *script* | Script to be run when mouse pointer moves | TF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | TF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | TF | | onmouseup | *script* | Script to be run when mouse button is released | TF | | onkeydown | *script* | Script to be run when a key is pressed | TF | | onkeypress | *script* | Script to be run when a key is pressed and released | TF | | onkeyup | *script* | Script to be run when a key is released | TF | |
| **Example** | <p>Version 2.0 is <s>not yet available!</s> now available!</p> <p>Version 2.0 is <strike>not yet available!</strike> now available!</p> |

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| **Tag** | <style> |
| **Description** | The <style> tag is used to define style information for an HTML document.  Inside the style element you specify how HTML elements should render in a browser. |
| **Usage** | The required type attribute defines the content of the style element. The only possible value is "text/css".  The style element always goes inside the head section. |
| **Standard Attributes** | The <style> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <style> tag does not support any event attributes. |
| **Example** | <html> <head> <style type="text/css"> h1 {color:red;} p {color:blue;} </style> </head>  <body> <h1>Header 1</h1> <p>A paragraph.</p> </body> </html> |

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| **Tag** | <sub> and <sup> |
| **Description** | The <sub> tag defines subscript text. Subscript text appears half a character below the baseline. Subscript text can be used for chemical formulas, like H2O. |
| **Usage** | The <sup> tag defines superscript text. Superscript text appears half a character above the baseline. Superscript text can be used for footnotes, like WWW[1]. |
| **Standard Attributes** | DTD indicates in which HTML 4.01/XHTML 1.0 DTD the attribute is allowed. S=Strict, T=Transitional, and F=Frameset.  The <sub> and <sup> tags support the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <sub> and <sup> tags support the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <p>This text contains <sub>subscript</sub> text.</p> <p>This text contains <sup>superscript</sup> text.</p> |

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| **Tag** | <table> |
| **Description** | The <table> tag defines an HTML table.  A simple HTML table consists of the table element and one or more tr, th, and td elements. |
| **Usage** | The tr element defines a table row, the th element defines a table header, and the td element defines a table cell.  A more complex HTML table may also include caption, col, colgroup, thead, tfoot, and tbody elements. |
| **Standard Attributes** | The <table> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <table> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <table border="1">   <tr>     <th>Month</th>     <th>Savings</th>   </tr>   <tr>     <td>January</td>     <td>$100</td>   </tr> </table> |

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| **Tag** | <tbody> |
| **Description** | The <tbody> tag is used to group the body content in an HTML table.  The tbody element should be used in conjunction with the thead and tfoot elements. |
| **Usage** | The thead element is used to group the header content in an HTML table and the tfoot element is used to group the footer content in an HTML table. |
| **Standard Attributes** | The <tbody> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <tbody> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <table border="1">   <thead>     <tr>       <th>Month</th>       <th>Savings</th>     </tr>   </thead>   <tfoot>     <tr>       <td>Sum</td>       <td>$180</td>     </tr>   </tfoot>   <tbody>     <tr>       <td>January</td>       <td>$100</td>     </tr>     <tr>       <td>February</td>       <td>$80</td>     </tr>   </tbody> </table> |

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| **Tag** | <td> |
| **Description** | The <td> tag defines a standard cell in an HTML table. |
| **Usage** | An HTML table has two kinds of cells:   1. Header cells - contains header information (created with the th element) 2. \* Standard cells - contains data (created with the td element) |
| **Standard Attributes** | The <td> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <td> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <table border="1">   <tr>     <th>Month</th>     <th>Savings</th>   </tr>   <tr>     <td>January</td>     <td>$100</td>   </tr> </table> |

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| **Tag** | <textarea> |
| **Description** | The <textarea> tag defines a multi-line text input control.  A text area can hold an unlimited number of characters, and the text renders in a fixed-width font (usually Courier). |
| **Usage** | The size of a textarea can be specified by the cols and rows attributes, or even better; through CSS' height and width properties. |
| **Standard Attributes** | The <textarea> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | accesskey | *character* | Specifies a keyboard shortcut to access an element | STF | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | tabindex | *number* | Specifies the tab order of an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <textarea> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onblur | *script* | Script to be run when an element loses focus | STF | | onchange | *script* | Script to be run when an element change | STF | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onfocus | *script* | Script to be run when an element gets focus | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | | onselect | *script* | Script to be run when an element is selected | STF | |
| **Example** | <textarea rows="2" cols="20"> At W3Schools you will find all the Web-building tutorials you need, from basic HTML to advanced XML, SQL, ASP, and PHP.  </textarea> |

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| **Tag** | <tfoot> |
| **Description** | The <tfoot> tag is used to group the footer content in an HTML table.  The tfoot element should be used in conjunction with the thead and tbody elements. |
| **Usage** | The thead element is used to group the header content in an HTML table and the tbody element is used to group the body content in an HTML table. |
| **Standard Attributes** | The <tfoot> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <tfoot> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <table border="1">   <thead>     <tr>       <th>Month</th>       <th>Savings</th>     </tr>   </thead>   <tfoot>     <tr>       <td>Sum</td>       <td>$180</td>     </tr>   </tfoot>   <tbody>     <tr>       <td>January</td>       <td>$100</td>     </tr>     <tr>       <td>February</td>       <td>$80</td>     </tr>   </tbody> </table> |

|  |  |
| --- | --- |
| **Tag** | <th> |
| **Description** | The <th> tag defines a header cell in an HTML table. |
| **Usage** | An HTML table has two kinds of cells:   1. Header cells - contains header information (created with the th element) 2. \* Standard cells - contains data (created with the td element) |
| **Standard Attributes** | The <th> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <th> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <table border="1">   <tr>     <th>Month</th>     <th>Savings</th>   </tr>   <tr>     <td>January</td>     <td>$100</td>   </tr> </table> |

|  |  |
| --- | --- |
| **Tag** | <thead> |
| **Description** | The <thead> tag is used to group the header content in an HTML table.  The thead element should be used in conjunction with the tbody and tfoot elements. |
| **Usage** | The tbody element is used to group the body content in an HTML table and the tfoot element is used to group the footer content in an HTML table. |
| **Standard Attributes** | The <thead> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <thead> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <table border="1">   <thead>     <tr>       <th>Month</th>       <th>Savings</th>     </tr>   </thead>   <tfoot>     <tr>       <td>Sum</td>       <td>$180</td>     </tr>   </tfoot>   <tbody>     <tr>       <td>January</td>       <td>$100</td>     </tr>     <tr>       <td>February</td>       <td>$80</td>     </tr>   </tbody> </table> |

|  |  |
| --- | --- |
| **Tag** | <title> |
| **Description** | The <title> tag defines the title of the document.  The title element is required in all HTML/XHTML documents. |
| **Usage** | The title element:   1. defines a title in the browser toolbar 2. provides a title for the page when it is added to favorites 3. displays a title for the page in search-engine results |
| **Standard Attributes** | DTD indicates in which HTML 4.01/XHTML 1.0 DTD the attribute is allowed. S=Strict, T=Transitional, and F=Frameset.  The <title> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <title> tag does not support any event attributes.  More information about Event Attributes. |
| **Example** | <html> <head> <title>Title of the document</title> </head>  <body> The content of the document...... </body>  </html> |

|  |  |
| --- | --- |
| **Tag** | <tr> |
| **Description** | The <tr> tag defines a row in an HTML table.  A tr element contains one or more th or td elements. |
| **Usage** |  |
| **Standard Attributes** | The <tr> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <tr> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <table border="1">   <tr>     <th>Month</th>     <th>Savings</th>   </tr>   <tr>     <td>January</td>     <td>$100</td>   </tr> </table> |

|  |  |
| --- | --- |
| **Tag** | <u> |
| **Description** | The <u> tag defines underlined text. |
| **Usage** | The <u> tag defines underlined text. |
| **Standard Attributes** | DTD indicates in which HTML 4.01/XHTML 1.0 DTD the attribute is allowed. S=Strict, T=Transitional, and F=Frameset.  The <u> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | TF | | dir | rtl ltr | Specifies the text direction for the content in an element | TF | | id | *id* | Specifies a unique id for an element | TF | | lang | *language\_code* | Specifies a language code for the content in an element | TF | | style | *style\_definition* | Specifies an inline style for an element | TF | | title | *text* | Specifies extra information about an element | TF | |
| **Event Attributes** | The <u> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | TF | | ondblclick | *script* | Script to be run on a mouse double-click | TF | | onmousedown | *script* | Script to be run when mouse button is pressed | TF | | onmousemove | *script* | Script to be run when mouse pointer moves | TF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | TF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | TF | | onmouseup | *script* | Script to be run when mouse button is released | TF | | onkeydown | *script* | Script to be run when a key is pressed | TF | | onkeypress | *script* | Script to be run when a key is pressed and released | TF | | onkeyup | *script* | Script to be run when a key is released | TF | |
| **Example** | <p>Do not <u>underline</u> text if it is not a hyperlink!</p> |

|  |  |
| --- | --- |
| **Tag** | <ul> |
| **Description** | The <ul> tag defines an unordered list (a bulleted list). |
| **Usage** | The <ul> tag defines an unordered list (a bulleted list). |
| **Standard Attributes** | The <ul> tag supports the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <ul> tag supports the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <ul>   <li>Coffee</li>   <li>Tea</li>   <li>Milk</li> </ul> |

|  |  |
| --- | --- |
| **Tag** | <em> <strong> <dfn> <code> <samp> <kbd> <var> <cite> |
| **Description** | The <em>, <strong>, <dfn>, <code>, <samp>, <kbd>, <var>, and <cite> tags are all phrase tags. They are not deprecated, but it is possible to achieve richer effect with CSS. |
| **Usage** |  |
| **Standard Attributes** | DTD indicates in which HTML 4.01/XHTML 1.0 DTD the attribute is allowed. S=Strict, T=Transitional, and F=Frameset.  The <em>, <strong>, <dfn>, <code>, <samp>, <kbd>, <var>, and <cite> tags support the following standard attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | class | *classname* | Specifies a classname for an element | STF | | dir | rtl ltr | Specifies the text direction for the content in an element | STF | | id | *id* | Specifies a unique id for an element | STF | | lang | *language\_code* | Specifies a language code for the content in an element | STF | | style | *style\_definition* | Specifies an inline style for an element | STF | | title | *text* | Specifies extra information about an element | STF | | xml:lang | *language\_code* | Specifies a language code for the content in an element, in XHTML documents | STF | |
| **Event Attributes** | The <em>, <strong>, <dfn>, <code>, <samp>, <kbd>, <var>, and <cite> tags support the following event attributes:   |  |  |  |  | | --- | --- | --- | --- | | **Attribute** | **Value** | **Description** | **DTD** | | onclick | *script* | Script to be run on a mouse click | STF | | ondblclick | *script* | Script to be run on a mouse double-click | STF | | onmousedown | *script* | Script to be run when mouse button is pressed | STF | | onmousemove | *script* | Script to be run when mouse pointer moves | STF | | onmouseout | *script* | Script to be run when mouse pointer moves out of an element | STF | | onmouseover | *script* | Script to be run when mouse pointer moves over an element | STF | | onmouseup | *script* | Script to be run when mouse button is released | STF | | onkeydown | *script* | Script to be run when a key is pressed | STF | | onkeypress | *script* | Script to be run when a key is pressed and released | STF | | onkeyup | *script* | Script to be run when a key is released | STF | |
| **Example** | <em>Emphasized text</em> <strong>Strong text</strong> <dfn>Definition term</dfn> <code>Computer code text</code> <samp>Sample computer code text</samp> <kbd>Keyboard text</kbd> <var>Variable</var> <cite>Citation</cite> |

## HTML Layouts

Web page layout is very important to make your website look good.Design your webpage layout very carefully.

## Website Layouts

Most websites have put their content in multiple columns (formatted like a magazine or newspaper).

Multiple columns is created by using <table> or <div> tags. Some CSS are normally also added to position elements, or to create backgrounds or colorful look for the pages.

## HTML Layouts - Using Tables

The simplest way of creating layouts is by using the HTML <table> tag.

The following example uses a table with 3 rows and 2 columns - the first and last row spans both columns using the colspan attribute:

|  |
| --- |
| <html> <body>  <table width="500" border="0"> <tr> <td colspan="2" style="background-color:#FFA500;"> <h1>Main Title of Web Page</h1> </td> </tr>  <tr valign="top"> <td style="background-color:#FFD700;width:100px;text-align:top;"> <b>Menu</b><br /> HTML<br /> CSS<br /> JavaScript </td> <td style="background-color:#EEEEEE;height:200px;width:400px;text-align:top;"> Content goes here</td> </tr>  <tr> <td colspan="2" style="background-color:#FFA500;text-align:center;"> Copyright © 2011 W3Schools.com</td> </tr> </table>  </body> </html> |

The HTML code above will produce the following result:



**Note:** Even though it is possible to create nice layouts with HTML tables, tables were designed for presenting tabular data - NOT as a layout tool!

## HTML Layouts - Using Div Elements

The div element is a block level element used for grouping HTML elements.

The following example uses five div elements to create a multiple column layout, creating the same result as in the previous example:

|  |
| --- |
| <html> <body>  <div id="container" style="width:500px">  <div id="header" style="background-color:#FFA500;"> <h1 style="margin-bottom:0;">Main Title of Web Page</h1></div>  <div id="menu" style="background-color:#FFD700;height:200px;width:100px;float:left;"> <b>Menu</b><br /> HTML<br /> CSS<br /> JavaScript</div>  <div id="content" style="background-color:#EEEEEE;height:200px;width:400px;float:left;"> Content goes here</div>  <div id="footer" style="background-color:#FFA500;clear:both;text-align:center;"> Copyright © 2011 W3Schools.com</div>  </div>  </body> </html> |

The HTML code above will produce the following result:



## HTML Layout - Useful Tips

**Tip:** The biggest advantage of using CSS is that, if you place the CSS code in an external style sheet, your site becomes MUCH EASIER to maintain. You can change the layout of all your pages by editing one file. To learn more about CSS, study our [CSS tutorial](http://www.w3schools.com/css/default.asp).

**Tip:** Because advanced layouts take time to create, a quicker option is to use a template. Search Google for free website templates (these are pre-built website layouts you can use and customize).

## Exercise

1. Instructor to demonstrate 3 practicals
2. Trainess to work on 1 HTML assignment without the Instructor guidance -

**Duration: 6 hours**

**Marks: 30**

1. Create a new webpage “SecondWebPage.html”
2. Add the following on this page –
3. One paragraph about “Aress Software”.
4. A link “About Myself” after this paragraph should take you to “MyHomePage.html”, section where text about yourself is written
5. Insert horizontal line after this
6. Usage of Abbreviations and acronyms
7. Add a background image to this webpage
8. Add text to demonstrate various fonts, size and color
9. Open [www.google.com](http://www.google.com/) in a new browser window
10. Add an image to the left side of the paragraph about aress
11. Add an image to the right side of the paragraph about aress
12. Create an image map with clickable regions
13. Create a 3 level nested ordered list
14. Create a definition list
15. Create a HTML form for User Registration with the following fields –
    * Name
    * Email
    * Address 1
    * Address 2
    * Phone no.
    * Email
    * Country
    * Gender – Male or Female
    * Areas of Interest – HTML, CSS, AJAX, Jquery (User should be able to select multiple)
    * Button “Register”

## Training Report

**Instructor Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Trainee Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Time: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |
| --- | --- |
| **Session No/Name** | **Conducted (Yes/No)** |
| Session 1 |  |
| Session 2 |  |
| Session 3 |  |
| Session 4 - Assessment |  |

**Assessment Report:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. no** | **Desired Output** | **Code** | **Coding Standards** | **Marks** |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
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| 9 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |
| 12 |  |  |  |  |
| 13 |  |  |  |  |
| 14 |  |  |  |  |
| 15 |  |  |  |  |
|  | **Total Marks:** | | |  |

Instructor Feedback:

|  |  |
| --- | --- |
| **Sign:** | **Sign:** |
| *(Trainee: )* | *(Instructor: )* |