E-BOOK

HTML TAGS & CSS PROPERTIES

PENROSE
CREATING INQUISITIVE LEARNERS

HTML5 Tags

Structural Tags

Tag	Description
`<a>`	Defines a hyperlink.
`<article>`	Defines an article.
`<aside>`	Defines some content loosely related to the page content.
`<body>`	Defines the document's body.
` `	Produces a single line break.
`<details>`	Represents a widget from which the user can obtain additional information or controls on-demand.
`<div>`	Specifies a division or a section in a document.
`<h1> to <h6>`	Defines HTML headings.
`<head>`	Defines the head portion of the document that contains information about the document.
`<header>`	Represents the header of a document or a section.
`<hgroup>`	Defines a group of headings.
`<hr>`	Produce a horizontal line.
`<html>`	Defines the root of an HTML document.

`<footer>`	Represents the footer of a document or a section.
`<nav>`	Defines a section of navigation links.
`<p>`	Defines a paragraph.
`<section>`	Defines a section of a document, such as header, footer etc.
`<span>`	Defines an inline styleless section in a document.
`<summary>`	Defines a summary for the `<details>` element.

Metadata Tags

Tag	Description
`<base>`	Defines the base URL for all linked objects on a page.
`<link>`	Defines the relationship between the current document and an external resource.
`<meta>`	Provides structured metadata about the document content.
`<style>`	Inserts style information (commonly CSS) into the head of a document.
`<title>`	Defines a title for the document.

Form Tags

Tag	Description
`<button>`	Creates a clickable button.
`<datalist>`	Represents a set of pre-defined options for an `<input>` element.

<fieldset>	Specifies a set of related form fields.
<form>	Defines an HTML form for user input.
<input>	Defines an input control.
<keygen>	Represents a control for generating a public-private key pair.
<label>	Defines a label for an <input> control.
<legend>	Defines a caption for a <fieldset> element.
<meter>	Represents a scalar measurement within a known range.
<optgroup>	Defines a group of related options in a selection list.
<option>	Defines an option in a selection list.
<select>	Defines a selection list within a form.
<textarea>	Defines a multi-line text input control (text area).

Formatting Tags

Tag	Description
<abbr>	Defines an abbreviated form of a longer word or phrase.
<acronym>	Defines an acronym.
<address>	Specifies the author's contact information.
<b>	Displays text in a bold style.
<bdi>	Represents text that is isolated from its surrounding for the purposes of bidirectional text formatting.

`<bdo>`	Overrides the current text direction.
`<big>`	displays text in a large size.
`<blockquote>`	Defines a long quotation.
`<cite>`	Indicates a citation or reference to another source.
`<code>`	Specifies text as computer code.
`<del>`	Specifies a block of deleted text.
`<dfn>`	Specifies a definition.
`<em>`	Specifies emphasized text.
`<i>`	Displays text in an italic style.
`<ins>`	Defines a block of text that has been inserted into a document.
`<kbd>`	Specifies text as keyboard input.
`<mark>`	Represents text highlighted for reference purposes.
`<output>`	Represents the result of a calculation.
`<pre>`	Defines a block of preformatted text.
`<progress>`	Represents the completion progress of a task.
`<q>`	Defines a short inline quotation.
`<rp>`	Provides fall-back parenthesis for browsers that that don't support ruby annotations.
`<rt>`	Defines the pronunciation of character presented in a ruby annotations.
`<ruby>`	Represents a ruby annotation.
`<samp>`	Specifies text as sample output from a computer program.

[<small>](#)	Displays text in a smaller size.
[<strong>](#)	Indicate strongly emphasized text.
[<sub>](#)	Defines subscripted text.
[<sup>](#)	Defines superscripted text.
[<tt>](#)	Displays text in a teletype style.
[<var>](#)	Defines a variable.
[<wbr>](#)	Represents a line break opportunity.

List Tags

Tag	Description
[<dd>](#)	Specifies a definition for a term in a definition list.
[<dl>](#)	Defines a definition list.
[<dt>](#)	Defines a term (an item) in a definition list.
[ ](#)	Defines a list item.
[ ](#)	Defines an ordered list.
[<menu>](#)	Represents a list of commands.
[ ](#)	Defines an unordered list.

Table Tags

Tag	Description
`<caption>`	Defines the title of a table.
`<col>`	Defines attribute values for one or more columns in a table.
`<colgroup>`	Specifies attributes for multiple columns in a table.
`<table>`	Defines a data table.
`<tbody>`	Groups a set of rows defining the main body of the table data.
`<td>`	Defines a cell in a table.
`<tfoot>`	Groups a set of rows summarizing the columns of the table.
`<thead>`	Groups a set of rows that describes the column labels of a table.
`<th>`	Defines a header cell in a table.
`<tr>`	Defines a row of cells in a table.

Scripting Tags

Tag	Description
`<noscript>`	Defines alternative content to display when the browser doesn't support scripting.
`<script>`	Places script in the document for client-side processing.

Embedded Content Tags

Tag	Description
`<area>`	Defines a specific area within an image map.
`<audio>`	Embeds a sound, or an audio stream in an HTML document.
`<canvas>`	Defines a region in the document, which can be used to draw graphics on the fly via scripting (usually JavaScript).
`<embed>`	Embeds external application, typically multimedia content like audio or video into an HTML document.
`<figcaption>`	Defines a caption or legend for a figure.
`<figure>`	Represents a figure illustrated as part of the document.
`<frame>`	Defines a single frame within a frameset.
`<frameset>`	Defines a collection of frames or other frameset.
`<iframe>`	Displays a URL in an inline frame.
`<img>`	Displays an inline image.
`<map>`	Defines a client-side image-map.
`<noframes>`	Defines an alternate content that displays in browsers that do not support frames.
`<object>`	Defines an embedded object.
`<param>`	Defines a parameter for an object or applet element.
`<source>`	Defines alternative media resources for the media elements like `<audio>` or `<video>`.
`<time>`	Represents a time and/or date.
`<video>`	Embeds video content in an HTML document.

CSS3 Properties

Animation Properties

Property	Description
animation	Specifies the keyframe-based animations.
animation-delay	Specifies when the animation will start.
animation-direction	Specifies whether the animation should play in reverse on alternate cycles or not.
animation-duration	Specifies the number of seconds or milliseconds an animation should take to complete one cycle.
animation-fill-mode	Specifies how a CSS animation should apply styles to its target before and after it is executing.
animation-iteration-count	Specifies the number of times an animation cycle should be played before stopping.
animation-name	Specifies the name of @keyframes defined animations that should be applied to the selected element.
animation-play-state	Specifies whether the animation is running or paused.
animation-timing-function	Specifies how a CSS animation should progress over the duration of each cycle.

Background Properties

Property	Description
background	Defines a variety of background properties within one declaration.
background-attachment	Specify whether the background image is fixed in the viewport or scrolls.

`background-clip`	Specifies the painting area of the background.
`background-color`	Defines an element's background color.
`background-image`	Defines an element's background image.
`background-origin`	Specifies the positioning area of the background images.
`background-position`	Defines the origin of a background image.
`background-repeat`	Specify whether/how the background image is tiled.
`background-size`	Specifies the size of the background images.

Border Properties

Property	Description
`border`	Sets the width, style, and color for all four sides of an element's border.
`border-bottom`	Sets the width, style, and color of the bottom border of an element.
`border-bottom-color`	Sets the color of the bottom border of an element.
`border-bottom-left-radius`	Defines the shape of the bottom-left border corner of an element.
`border-bottom-right-radius`	Defines the shape of the bottom-right border corner of an element.
`border-bottom-style`	Sets the style of the bottom border of an element.
`border-bottom-width`	Sets the width of the bottom border of an element.
`border-color`	Sets the color of the border on all the four sides of an element.
`border-image`	Specifies how an image is to be used in place of the border styles.

`border-image-outset`	Specifies the amount by which the border image area extends beyond the border box.
`border-image-repeat`	Specifies whether the image-border should be repeated, rounded or stretched.
`border-image-slice`	Specifies the inward offsets of the image-border.
`border-image-source`	Specifies the location of the image to be used as a border.
`border-image-width`	Specifies the width of the image-border.
`border-left`	Sets the width, style, and color of the left border of an element.
`border-left-color`	Sets the color of the left border of an element.
`border-left-style`	Sets the style of the left border of an element.
`border-left-width`	Sets the width of the left border of an element.
`border-radius`	Defines the shape of the border corners of an element.
`border-right`	Sets the width, style, and color of the right border of an element.
`border-right-color`	Sets the color of the right border of an element.
`border-right-style`	Sets the style of the right border of an element.
`border-right-width`	Sets the width of the right border of an element.
`border-style`	Sets the style of the border on all the four sides of an element.
`border-top`	Sets the width, style, and color of the top border of an element.
`border-top-color`	Sets the color of the top border of an element.
`border-top-left-radius`	Defines the shape of the top-left border corner of an element.
`border-top-right-radius`	Defines the shape of the top-right border corner of an element.
`border-top-style`	Sets the style of the top border of an element.

`border-top-width`	Sets the width of the top border of an element.
`border-width`	Sets the width of the border on all the four sides of an element.

Color Properties

Property	Description
`color`	Specify the color of the text of an element.
`opacity`	Specifies the transparency of an element.

Dimension Properties

Property	Description
`height`	Specify the height of an element.
`max-height`	Specify the maximum height of an element.
`max-width`	Specify the maximum width of an element.
`min-height`	Specify the minimum height of an element.
`min-width`	Specify the minimum width of an element.
`width`	Specify the width of an element.

Generated Content Properties

Property	Description
content	Inserts generated content.
quotes	Specifies quotation marks for embedded quotations.
counter-reset	Creates or resets one or more counters.
counter-increment	Increments one or more counter values.

Flexible Box Layout

Property	Description
align-content	Specifies the alignment of flexible container's items within the flex container.
align-items	Specifies the default alignment for items within the flex container.
align-self	Specifies the alignment for selected items within the flex container.
flex	Specifies the components of a flexible length.
flex-basis	Specifies the initial main size of the flex item.
flex-direction	Specifies the direction of the flexible items.
flex-flow	A shorthand property for the flex-direction and the flex-wrap properties.
flex-grow	Specifies how the flex item will grow relative to the other items inside the flex container.
flex-shrink	Specifies how the flex item will shrink relative to the other items inside the flex container.
flex-wrap	Specifies whether the flexible items should wrap or not.

justify-content	Specifies how flex items are aligned along the main axis of the flex container after any flexible lengths and auto margins have been resolved.
order	Specifies the order in which a flex items are displayed and laid out within a flex container.

Font Properties

Property	Description
font	Defines a variety of font properties within one declaration.
font-family	Defines a list of fonts for element.
font-size	Defines the font size for the text.
font-size-adjust	Preserves the readability of text when font fallback occurs.
font-stretch	Selects a normal, condensed, or expanded face from a font.
font-style	Defines the font style for the text.
font-variant	Specify the font variant.
font-weight	Specify the font weight of the text.

List Properties

Property	Description
list-style	Defines the display style for a list and list elements.
list-style-image	Specifies the image to be used as a list-item marker.

`list-style-position`	Specifies the position of the list-item marker.
`list-style-type`	Specifies the marker style for a list-item.

Margin Properties

Property	Description
`margin`	Sets the margin on all four sides of the element.
`margin-bottom`	Sets the bottom margin of the element.
`margin-left`	Sets the left margin of the element.
`margin-right`	Sets the right margin of the element.
`margin-top`	Sets the top margin of the element.

Multi-column Layout Properties

Property	Description
`column-count`	Specifies the number of columns in a multi-column element.
`column-fill`	Specifies how columns will be filled.
`column-gap`	Specifies the gap between the columns in a multi-column element.
`column-rule`	Specifies a straight line, or "rule", to be drawn between each column in a multi-column element.
`column-rule-color`	Specifies the color of the rules drawn between columns in a multi-column layout.
`column-rule-style`	Specifies the style of the rule drawn between the columns in a multi-column layout.

column-rule-width	Specifies the width of the rule drawn between the columns in a multi-column layout.
column-span	Specifies how many columns an element spans across in a multi-column layout.
column-width	Specifies the optimal width of the columns in a multi-column element.
columns	A shorthand property for setting column-width and column-count properties.

Outline Properties

Property	Description
outline	Sets the width, style, and color for all four sides of an element's outline.
outline-color	Sets the color of the outline.
outline-offset	Set the space between an outline and the border edge of an element.
outline-style	Sets a style for an outline.
outline-width	Sets the width of the outline.

Padding Properties

Property	Description
padding	Sets the padding on all four sides of the element.
padding-bottom	Sets the padding to the bottom side of an element.
padding-left	Sets the padding to the left side of an element.
padding-right	Sets the padding to the right side of an element.

`padding-top`	Sets the padding to the top side of an element.

Table Properties

Property	Description
`border-collapse`	Specifies whether table cell borders are connected or separated.
`border-spacing`	Sets the spacing between the borders of adjacent table cells.
`caption-side`	Specify the position of table's caption.
`empty-cells`	Show or hide borders and backgrounds of empty table cells.
`table-layout`	Specifies a table layout algorithm.

Text Properties

Property	Description
`direction`	Define the text direction/writing direction.
`tab-size`	Specifies the length of the tab character.
`text-align`	Sets the horizontal alignment of inline content.
`text-align-last`	Specifies how the last line of a block or a line right before a forced line break is aligned when `text-align` is `justify`.
`text-decoration`	Specifies the decoration added to text.
`text-decoration-color`	Specifies the color of the `text-decoration-line`.
`text-decoration-line`	Specifies what kind of line decorations are added to the element.

`text-decoration-style`	Specifies the style of the lines specified by the `text-decoration-line` property
`text-indent`	Indent the first line of text.
`text-justify`	Specifies the justification method to use when the `text-align` property is set to `justify`.
`text-overflow`	Specifies how the text content will be displayed, when it overflows the block containers.
`text-shadow`	Applies one or more shadows to the text content of an element.
`text-transform`	Transforms the case of the text.
`line-height`	Sets the height between lines of text.
`vertical-align`	Sets the vertical positioning of an element relative to the current text baseline.
`letter-spacing`	Sets the extra spacing between letters.
`word-spacing`	Sets the spacing between words.
`white-space`	Specifies how white space inside the element is handled.
`word-break`	Specifies how to break lines within words.
`word-wrap`	Specifies whether to break words when the content overflows the boundaries of its container.

Transform Properties

Property	Description
`backface-visibility`	Specifies whether or not the "back" side of a transformed element is visible when facing the user.
`perspective`	Defines the perspective from which all child elements of the object are viewed.
`perspective-origin`	Defines the origin (the vanishing point for the 3D space) for the perspective property.

`transform`	Applies a 2D or 3D transformation to an element.
`transform-origin`	Defines the origin of transformation for an element.
`transform-style`	Specifies how nested elements are rendered in 3D space.

Transitions Properties

Property	Description
`transition`	Defines the transition between two states of an element.
`transition-delay`	Specifies when the transition effect will start.
`transition-duration`	Specifies the number of seconds or milliseconds a transition effect should take to complete.
`transition-property`	Specifies the names of the CSS properties to which a transition effect should be applied.
`transition-timing-function`	Specifies the speed curve of the transition effect.

Visual formatting Properties

Property	Description
`display`	Specifies how an element is displayed onscreen.
`position`	Specifies how an element is positioned.
`top`	Specify the location of the top edge of the positioned element.
`right`	Specify the location of the right edge of the positioned element.
`bottom`	Specify the location of the bottom edge of the positioned element.

left	Specify the location of the left edge of the positioned element.
float	Specifies whether or not a box should float.
clear	Specifies the placement of an element in relation to floating elements.
z-index	Specifies a layering or stacking order for positioned elements.
overflow	Specifies the treatment of content that overflows the element's box.
overflow-x	Specifies how to manage the content when it overflows the width of the element's content area.
overflow-y	Specifies how to manage the content when it overflows the height of the element's content area.
resize	Specifies whether or not an element is resizable by the user.
clip	Defines the clipping region.
visibility	Specifies whether or not an element is visible.
cursor	Specify the type of cursor.
box-shadow	Applies one or more drop-shadows to the element's box.
box-sizing	Alter the default CSS box model.