

html

HTML Tags

Structure and Content

1. `<html>` - Root element of an HTML document.
2. `<head>` - Contains metadata, links, and scripts.
3. `<title>` - Sets the title of the webpage (appears in the browser tab).
4. `<body>` - Contains the content of the page.

Text and Formatting

5. `<h1>` to `<h6>` - Headings, with `<h1>` being the largest.
6. `<p>` - Paragraph.
7. `` - Inline container for text, commonly used for styling.
8. `<div>` - Block-level container for content grouping.
9. `
` - Line break.
10. `<hr>` - Horizontal line (used for thematic breaks).

Links and Media

11. `<a>` - Anchor tag for hyperlinks.
12. `` - Image tag.
13. `<video>` - Embeds video.
14. `<audio>` - Embeds audio.
15. `<iframe>` - Embeds another HTML page within the page.

Lists

16. `` - Unordered list.
17. `` - Ordered list.
18. `` - List item (used within `` or ``).

Tables

19. `<table>` - Creates a table.
20. `<tr>` - Table row.

21. `<th>` - Table header cell.

22. `<td>` - Table data cell.

Forms and Input

23. `<form>` - Form container.

24. `<input>` - Input field for user data.

25. `<textarea>` - Multi-line text input.

26. `<button>` - Button element.

27. `<select>` - Drop-down list.

28. `<option>` - Options within a `<select>`.

Semantics and Structure

29. `<header>` - Header section.

30. `<footer>` - Footer section.

31. `<main>` - Main content area.

32. `<section>` - Section of content.

33. `<article>` - Independent article.

34. `<nav>` - Navigation links.

35. `<aside>` - Sidebar content.

Other Useful Tags

36. `` - Bold text with importance.

37. `` - Italic text for emphasis.

38. `` - Bold text without importance.

39. `<i>` - Italic text without emphasis.

40. `<mark>` - Highlighted text.

CSS Attributes

Text Styling

1. `color` - Sets text color.

2. `font-size` - Sets font size.

3. `font-family` - Sets the font.

4. `font-weight` - Sets the thickness of text.

5. `font-style` - Controls italics.
6. `text-align` - Aligns text horizontally.
7. `text-decoration` - Adds underline, overline, or strike-through.
8. `line-height` - Sets space between lines of text.

Box Model

9. `width` - Sets the width of an element.
10. `height` - Sets the height of an element.
11. `padding` - Space inside the element, around the content.
12. `margin` - Space outside the element.
13. `border` - Defines the border of an element.
14. `box-shadow` - Adds shadow to an element.

Backgrounds

15. `background-color` - Sets the background color.
16. `background-image` - Sets a background image.
17. `background-size` - Defines the size of the background image.
18. `background-position` - Positions the background image.
19. `background-repeat` - Controls the repetition of the background image.

Positioning and Layout

20. `display` - Controls the display type (block, inline, flex, etc.).
21. `position` - Positions an element (static, relative, absolute, fixed).
22. `top`, `right`, `bottom`, `left` - Positions element in combination with position.
23. `z-index` - Controls stack order for overlapping elements.
24. `float` - Aligns elements (left, right).
25. `clear` - Clears floating elements.

Flexbox

26. `display: flex` - Enables flexbox.
27. `flex-direction` - Sets the direction of flex items.
28. `justify-content` - Aligns flex items horizontally.
29. `align-items` - Aligns flex items vertically.

30. flex-wrap - Controls wrapping of flex items.

Grid

31. display: grid - Enables CSS Grid.

32. grid-template-columns - Defines the columns.

33. grid-template-rows - Defines the rows.

34. grid-gap - Sets space between grid items.

35. align-content - Controls alignment in the grid container.

Animations and Transitions

36. transition - Creates smooth transitions between states.

37. animation - Sets an animation.

38. animation-name - Defines the keyframes for an animation.

39. animation-duration - Sets how long an animation lasts.

40. animation-timing-function - Controls the pace of the animation.

Transformations

41. transform - Rotates, scales, or skews an element.

42. rotate - Rotates an element.

43. scale - Scales the size of an element.

44. translate - Moves an element in the X or Y direction.

Responsive Design

45. media queries - Defines breakpoints for responsive design.

46. max-width - Sets a maximum width, useful for responsive images.

47. min-width - Sets a minimum width.

48. vw and vh - Viewport width and height units.

49. % - Percentage-based sizing, helpful for responsive elements.