70 Most Important HTML Questions with Answers

Basic HTML Questions

1. What is HTML?

Answer: HTML (HyperText Markup Language) is a standard markup language for creating web pages.

2. What is the latest version of HTML?

Answer: The latest version is HTML5.

3. What is the full form of HTML?

Answer: HyperText Markup Language.

4. What are the main features of HTML5?

Answer:

- New semantic elements (<header>, <article>, <section>, etc.)
- Audio & video support (<audio>, <video>)
- Canvas & SVG for graphics
- Local storage (localStorage, sessionStorage)
- Geolocation API

5. What is the difference between HTML and HTML5?

Answer:

- HTML5 supports new elements and APIs.
- HTML5 allows audio/video embedding without plugins.
- HTML5 provides better mobile support.

6. What are the different types of lists in HTML?

Answer:

- Ordered List () Numbered list
- Unordered List () Bullet points
- Definition List (<dl>) Terms and descriptions

7. What is the purpose of the <head> tag?

Answer: It contains metadata like title, character set, styles, and scripts.

8. What is the use of the <title> tag?

Answer: It defines the title of the web page, displayed in the browser tab.

9. What is the difference between <head> and <body>?

- <head> contains metadata.
- <body> contains visible content.

10. How do you create a hyperlink in HTML?

Answer:

Click here

HTML Elements & Attributes

11. What are HTML attributes?

Answer: Attributes provide additional information about elements, e.g., href, src.

12. What is the difference between block-level and inline elements?

Answer:

- Block-level elements start on a new line (<div>, , <h1>).
- Inline elements stay in the same line (, <a>,).

13. What is the purpose of the <meta> tag?

Answer: It provides metadata such as keywords and description.

14. What are global attributes in HTML?

Answer: Global attributes apply to all elements, e.g., class, id, style, title.

15. What is the difference between and ?

Answer:

- indicates importance.
- is only for bold text.

16. What is the difference between and <i>?

Answer:

- emphasizes text.
- <i> makes text italic.

17. What is the <abbr> tag used for?

Answer: It defines abbreviations.

<abbr title="HyperText Markup Language">HTML</abbr>

18. What is the difference between <div> and ?

Answer:

• <div> is a block-level container.

• is an inline container.

19. What is the use of the alt attribute in an tag?

Answer: It provides alternative text for images.

20. What is the use of the href attribute in an <a> tag?

Answer: It defines the URL of the hyperlink.

Forms & Input Elements

21. What are different types of input fields in HTML?

Answer:

- <input type="text"> Text field
- <input type="password"> Password field
- <input type="email"> Email field
- <input type="checkbox"> Checkbox
- <input type="radio"> Radio button

22. What is the purpose of the <form> tag?

Answer: It is used to create a form for user input.

23. What are the attributes of the <form> tag?

Answer:

- action Specifies where to send form data.
- method Defines GET or POST.

24. What is the difference between GET and POST?

Answer:

- GET sends data in the URL.
- POST sends data in the request body.

25. How do you create a dropdown list in HTML?

```
<select>
<option value="html">HTML</option>
<option value="css">CSS</option>
</select>
```

HTML5 Features & API Questions

26. What is the <article> tag?

Answer: It represents an independent piece of content like a blog post.

27. What is the <section> tag?

Answer: It defines a section in a document.

28. What is the <nav> tag?

Answer: It defines navigation links.

29. What is the <aside> tag?

Answer: It defines sidebar content.

30. How do you embed a video in HTML5?

Answer:

```
<video controls>
```

<source src="video.mp4" type="video/mp4">

</video>

31. What is the purpose of the <canvas> tag?

Answer: It is used for graphics, animations, and charts.

32. What is local storage in HTML5?

Answer: It allows storing data in the browser without expiration.

33. What is the difference between sessionStorage and localStorage?

Answer:

- sessionStorage: Data is cleared when the session ends.
- localStorage: Data is stored permanently.

34. What is the Geolocation API in HTML5?

Answer: It gets the user's location.

Additional Advanced Questions

35. What is the difference between inline CSS, internal CSS, and external CSS?

- Inline CSS: style attribute inside the HTML tag.
- Internal CSS: <style> inside <head>.
- External CSS: Linked .css file.

36. What is the purpose of the data- attribute?

Answer: It stores custom data in HTML elements.

37. How do you create an HTML table?

```
Answer:
```

```
Name
Age

4th>Age

John

4d>25
```

38. What are the differences between , , and ?

Answer:

- > defines a row.
- > defines a table header.
- defines a table cell.

39. What is a responsive web design?

Answer: It makes web pages adapt to different screen sizes.

40. What is the difference between <iframe> and <embed>?

Answer:

- <iframe> embeds another webpage.
- <embed> embeds media like PDFs or videos.

41. What is the <fieldset> and <legend> tag used for?

- Answer:
- <fieldset> groups form elements together.
- <legend> provides a title for the <fieldset>.

- Example:
 - <fieldset>

<legend>Personal Details</legend>

- <label>Name:</label>
- <input type="text">
- </fieldset>
- 42. What is the <details> and <summary> tag in HTML5?
- Answer:
- <details> creates a collapsible section.
- <summary> defines the title of the collapsible section.
- Example:
- <details>
- <summary>Click to expand</summary>
- Hidden content here.
- </details>
- 43. What is the difference between absolute, relative, and fixed URLs in HTML?
- Answer:
- Absolute URL: Full URL (e.g., https://example.com/page.html).
- Relative URL: Relative to the current page (/page.html).
- **Fixed URL:** Used in anchors and doesn't change (#section1).
- 44. How do you make an image a hyperlink?
- Answer:
-
-
-
- 45. What is a favicon? How do you add one?
- Answer: A favicon is a small icon displayed in the browser tab.
 Example:
- link rel="icon" type="image/png" href="favicon.png">
- 46. What are self-closing tags in HTML?
- Answer: Tags that don't require a closing tag, e.g., ,
, <input>.

- 47. What is the purpose of the target="_blank" attribute in links?
- **Answer:** It opens the link in a new tab.
- Open in New Tab
- 48. How do you create an email link in HTML?
- Answer:
- Send Email
- 49. How do you create an anchor link to jump to a section in a page?
- Answer:
- Go to Section 1

•

- <h2 id="section1">Section 1</h2>
- 50. What is the difference between the <button> tag and <input type="button">?
- Answer:
- <button> can contain HTML inside.
- <input type="button"> is a standalone button.

• 51. What is the <embed> tag used for?

- **Answer:** Embeds external files (PDFs, Flash, etc.).
- 52. How do you embed YouTube videos in HTML?
- Answer:
- <iframe width="560" height="315"
- src="https://www.youtube.com/embed/VIDEO_ID" frameborder="0" allowfullscreen>
- </iframe>
- 53. What is the <figure> and <figcaption> tag?
- Answer:
- <figure> groups an image.
- <figcaption> adds a caption.
- Example:
- <figure>
-
- <figcaption>This is a caption</figcaption>

- </figure>
- 54. What is the difference between <audio> and <video>?
- Answer:
- <audio> is for sound files.
- <video> is for videos.
- 55. What file formats are supported in <audio> and <video>?
- Answer:
- Audio: MP3, WAV, OGG
- Video: MP4, WebM, Ogg
- 56. What is the difference between SVG and Canvas?
- Answer:
- **SVG** (Scalable Vector Graphics) is XML-based and scalable.
- Canvas is pixel-based and allows drawing with JavaScript.
- 57. How do you draw a rectangle using the <canvas> element?
- Answer:
- <canvas id="myCanvas" width="200" height="100"></canvas>
- <script>
- var c = document.getElementById("myCanvas");
- var ctx = c.getContext("2d");
- ctx.fillStyle = "red";
- ctx.fillRect(20, 20, 150, 75);
- </script>
- 58. How do you display an image in HTML without using ?
- **Answer:** Use CSS:
- div {
- background-image: url('image.jpg');
- width: 200px;
- height: 200px;
- }
- 59. What is lazy loading in HTML?
- Answer: Loads images only when needed using loading="lazy".

-
- 60. How do you disable right-click on an image?
- Answer:
-

• 61. What is the purpose of the <noscript> tag?

- **Answer:** Displays content when JavaScript is disabled.
- 62. What are meta tags?
- Answer: Provide SEO information.
- <meta name="description" content="Best web development tutorials">
- 63. How do you improve website performance using HTML?
- Answer:
- Use lazy loading
- Minimize HTTP requests
- Optimize **images**
- Use **CDN** for faster loading
- 64. What is the difference between async and defer in <script>?
- Answer:
- async loads the script as soon as possible.
- **defer** waits until HTML parsing is complete.
- Example:
- <script async src="script.js"></script>
- <script defer src="script.js"></script>
- 65. What is the viewport meta tag?
- **Answer:** It makes web pages responsive.
- <meta name="viewport" content="width=device-width, initial-scale=1.0">
- 66. What is Open Graph Meta Tags?
- Answer: Used for social media previews (Facebook, Twitter).
- <meta property="og:title" content="My Website">
- <meta property="og:image" content="image.jpg">
- 67. What is Schema Markup in HTML?

```
Answer: Helps search engines understand website content.
<script type="application/ld+json">
{

"@context": "https://schema.org",

"@type": "Article",

"headline": "Best HTML Interview Questions"

}

</script>

68. What is the <base> tag?

Answer: Sets the base URL for all relative links.

<base href="https://example.com/">
69. How do you create a sticky footer in HTML?
Answer:

html, body {

height: 100%;

}
```

- 70. How do you use semantic HTML for better SEO?
- **Answer:** Use <header>, <article>, <section>, <footer>, etc.

CSS Interview Questions & Answers (1-100)

Basic CSS (1-20)

footer {

position: absolute;

bottom: 0;

width: 100%;

1. What is CSS?

Answer: CSS (Cascading Style Sheets) is used to style HTML elements.

2. What are the types of CSS?

Answer:

- 1. **Inline CSS** (style attribute in an element).
- 2. **Internal CSS** (<style> in <head> section).
- 3. External CSS (.css file linked with <link> tag).
- 3. How do you link an external CSS file?

Answer:

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

4. What is the difference between id and class in CSS?

Answer:

- id: Unique (#id-name)
- class: Reusable (.class-name)
- 5. How do you apply styles to multiple elements?

Answer:

```
h1, h2, p {
  color: blue;
}
```

6. What is the difference between relative, absolute, fixed, and sticky positioning?

Answer:

- Relative: Positioned relative to itself.
- Absolute: Positioned relative to its nearest positioned ancestor.
- Fixed: Stays in place even when scrolling.
- Sticky: Behaves like relative but sticks when scrolling reaches a threshold.
- 7. What is the difference between em, rem, px, and % in CSS?

- $px \rightarrow Absolute unit.$
- em → Relative to the parent element.
- rem → Relative to the root element (<html>).
- % → Relative to the parent container.
- 8. What is the difference between max-width and min-width?

Answer:

- max-width: Sets the maximum width an element can take.
- min-width: Sets the minimum width an element can take.

9. What are pseudo-classes in CSS?

Answer: A pseudo-class applies styles to elements based on their state.

Example:

```
a:hover { color: red; }
```

10. What is the z-index property in CSS?

Answer: Defines the **stacking order** of elements. Higher values appear in front.

Example:

```
.element { position: absolute; z-index: 10; }
```

11. What is Flexbox in CSS?

Answer: A layout model for arranging elements efficiently.

Example:

```
.container {
  display: flex;
  justify-content: center;
  align-items: center;
}
```

12. What is Grid in CSS?

Answer: CSS Grid is a layout system for designing web pages using **rows and columns**.

Example:

```
.container {
  display: grid;
  grid-template-columns: repeat(3, 1fr);
}
```

13. What are media queries in CSS?

Answer: Media queries allow responsive design.

Example:

```
@media (max-width: 600px) {
body { background-color: lightblue; }
```

```
}
```

14. What is the overflow property?

Answer: Controls content that overflows an element.

- visible (default)
- hidden (hides overflow)
- scroll (adds scrollbars)
- auto (scrollbars if needed)

15. What is the difference between nth-child() and nth-of-type()?

Answer:

- nth-child(n): Targets any child of a parent.
- nth-of-type(n): Targets specific types of children.

16. What is the difference between ::before and ::after?

Answer:

Both insert content, but ::before adds before, and ::after adds after the content.

Example:

```
h1::before { content: " "; }
```

17. What is the clip-path property?

Answer: It clips elements into shapes.

Example:

```
div {
  clip-path: circle(50%);
}
```

18. How do you create a CSS animation?

Answer:

```
@keyframes example {
  from { background-color: red; }
  to { background-color: blue; }
}
div { animation: example 2s infinite; }
```

19. What is opacity in CSS?

Answer: Sets the transparency of an element (0 = fully transparent, 1 = fully visible).

Example:

```
div { opacity: 0.5; }
```

20. What is transition in CSS?

Answer: Adds animation effects when properties change.

Example:

```
button {
  transition: background-color 0.5s ease-in-out;
}
```

Advanced CSS (21-100)

21. What is the difference between visibility: hidden; and display: none;?

Answer:

- visibility: hidden; → Hides the element but keeps space.
- display: none; → Removes the element completely.
- 22. How do you make an element unselectable?

Answer:

```
p { user-select: none; }
```

23. How do you make a website responsive without media queries?

Answer:

- Flexbox
- CSS Grid
- Viewport units (vw, vh)
- 24. What is the difference between inline, block, and inline-block?

Answer:

- inline → Doesn't allow width/height.
- block → Takes full width.
- inline-block → Allows width/height.
- 25. How do you add a gradient background in CSS?

```
div { background: linear-gradient(to right, red, blue); }
```

26. What is object-fit in CSS?

Answer: Controls how an fits inside its container.

Example:

```
img { object-fit: cover; }
```

27. How do you apply different styles based on device orientation?

Answer:

```
@media (orientation: portrait) { ... }
@media (orientation: landscape) { ... }
```

28. How do you center a div using CSS?

Answer:

```
div {
  display: flex;
  justify-content: center;
  align-items: center;
}
```

29. How do you create a responsive navigation bar in CSS?

Answer: Use flexbox or grid.

30. What is the contain property in CSS?

Answer: Limits the rendering of an element.

31. What is aspect-ratio in CSS?

Answer.

The aspect-ratio property allows you to define the ratio of width to height for an element.

```
div { aspect-ratio: 16 / 9; }
```

This keeps the element's width and height proportional.

32. What is pointer-events in CSS?

Answer:

The pointer-events property controls whether an element can receive mouse events.

```
button { pointer-events: none; }
```

This prevents users from clicking the button.

33. How do you create a sticky footer in CSS?

Answer:

A sticky footer stays at the bottom of the page but doesn't overlap content.

```
html, body { height: 100%; margin: 0; }
.wrapper { min-height: 100vh; display: flex; flex-direction: column; }
.footer { margin-top: auto; background: black; color: white; }
34. What is box-shadow in CSS?
Answer:
Adds a shadow to an element.
div { box-shadow: 5px 5px 10px gray; }
35. What is backdrop-filter in CSS?
Answer:
Applies visual effects (blur, brightness) to background elements.
div { backdrop-filter: blur(5px); }
36. How do you create a CSS-only tooltip?
Answer:
.tooltip:hover::after {
 content: "Tooltip Text";
 position: absolute;
 background: black;
 color: white;
}
37. What is mix-blend-mode in CSS?
Answer:
Defines how an element's color blends with its background.
div { mix-blend-mode: multiply; }
38. What is isolation in CSS?
Answer:
Prevents elements from blending with their parent's background.
div { isolation: isolate; }
39. How do you prevent text selection in CSS?
Answer:
p { user-select: none; }
40. What is scroll-behavior in CSS?
```

Answer:

Defines smooth scrolling behavior.

```
html { scroll-behavior: smooth; }
41. How do you make a div circular?
Answer:
div { width: 100px; height: 100px; border-radius: 50%; }
42. What is grid-template-areas in CSS?
Answer:
Defines grid layouts using named areas.
.grid {
display: grid;
grid-template-areas: "header header" "main aside";
}
43. How do you create a CSS-only dropdown menu?
Answer: Use :hover pseudo-class.
44. What is caret-color in CSS?
Answer:
Changes the text input cursor color.
input { caret-color: red; }
45. How do you add a text shadow in CSS?
Answer:
h1 { text-shadow: 2px 2px 5px gray; }
46. What is white-space in CSS?
Answer:
Controls text wrapping.
p { white-space: nowrap; }
47. How do you make an image grayscale using CSS?
Answer:
img { filter: grayscale(100%); }
48. What is will-change in CSS?
Answer:
Optimizes rendering performance for animations.
49. How do you create a pulse effect in CSS?
Answer:
```

```
@keyframes pulse {
 0% { transform: scale(1); }
 50% { transform: scale(1.1); }
 100% { transform: scale(1); }
}
div { animation: pulse 2s infinite; }
50. What is column-count in CSS?
Answer:
Splits text into multiple columns.
p { column-count: 3; }
51. What is vh, vw, vmin, and vmax in CSS?
Answer:
     vh (viewport height) - 1vh = 1% of viewport height
    • vw (viewport width) - 1vw = 1% of viewport width
    • vmin (smaller of vh & vw)

    vmax (larger of vh & vw)

52. How do you create a responsive grid using CSS Grid?
Answer:
.container {
display: grid;
grid-template-columns: repeat(auto-fit, minmax(200px, 1fr));
}
53. How do you make a website mobile-friendly using CSS?
Answer:
Use @media queries:
@media (max-width: 768px) {
body { font-size: 14px; }
}
54. How do you implement a "dark mode" using CSS only?
Answer:
@media (prefers-color-scheme: dark) {
 body { background: black; color: white; }
```

```
}
55. What is clamp() in CSS?
Answer:
Controls responsive font sizes.
h1 { font-size: clamp(16px, 2vw, 32px); }
56. How do you create a bouncing effect using CSS?
Answer:
@keyframes bounce {
 0%, 100% { transform: translateY(0); }
 50% { transform: translateY(-10px); }
}
div { animation: bounce 1s infinite; }
57. What is transition-delay in CSS?
Answer:
Delays animation start time.
button { transition: background 0.5s ease 1s; }
58. How do you animate text color in CSS?
Answer:
@keyframes colorChange {
 from { color: red; }
 to { color: blue; }
}
h1 { animation: colorChange 2s infinite; }
59. What is transform: skew() used for?
Answer:
Tilts an element diagonally.
div { transform: skew(10deg); }
60. How do you create a CSS-only loader animation?
Answer:
.loader {
 width: 50px; height: 50px; border: 5px solid gray;
 border-top: 5px solid black; border-radius: 50%;
```

```
animation: spin 1s linear infinite;
}
@keyframes spin { 100% { transform: rotate(360deg); } }
61. What is the z-index property in CSS?
Answer:
The z-index property defines the stack order of elements. Higher values appear on top.
.box1 { position: absolute; z-index: 10; }
.box2 { position: absolute; z-index: 5; }
62. How do you center a div using CSS?
Answer:
Using flexbox:
.container {
 display: flex;
 justify-content: center;
 align-items: center;
 height: 100vh;
}
Or using margin:
div {
 width: 200px;
 margin: auto;
}
63. What is clip-path in CSS?
Answer:
Defines a visible region of an element.
div { clip-path: circle(50% at center); }
64. How do you apply a gradient border in CSS?
Answer:
div {
 border: 5px solid transparent;
 border-image: linear-gradient(to right, red, blue) 1;
}
```

65. What is object-fit in CSS?

Answer:

Controls how images resize within containers.

img { width: 100%; height: 100%; object-fit: cover; }

66. How do you create a CSS-only accordion?

Answer:

Using the :checked pseudo-class with <input type="checkbox">.

67. What is animation-timing-function in CSS?

Answer:

Defines the speed curve of an animation (ease, linear, ease-in-out, etc.).

div { animation-timing-function: ease-in-out; }

68. How do you make text bold without using font-weight?

Answer:

Use a bold font-family.

p { font-family: 'Arial Black', sans-serif; }

69. How do you prevent scrolling in CSS?

Answer:

body { overflow: hidden; }

70. What is the difference between em, rem, px, and % in CSS?

Answer:

- em → Relative to the parent font-size.
- rem → Relative to the root (html) font-size.
- $px \rightarrow Absolute unit.$
- % → Relative to its containing element.

71. What is the difference between nth-child() and nth-of-type()?

Answer:

- nth-child(n) → Selects the nth child, regardless of type.
- nth-of-type(n) → Selects the nth element of a specific type.

72. How do you make a navbar fixed at the top?

Answer:

nav { position: fixed; top: 0; width: 100%; }

73. What is word-wrap in CSS?

```
Answer:
Forces long words to break and wrap onto the next line.
p { word-wrap: break-word; }
74. How do you change the scrollbar style in CSS?
Answer:
::-webkit-scrollbar { width: 10px; }
::-webkit-scrollbar-thumb { background: blue; }
75. How do you create a hover effect with a transition?
Answer:
button {
 background: blue;
 transition: background 0.5s;
}
button:hover { background: red; }
76. What is the column-gap property in CSS?
Answer:
Sets spacing between columns in a grid or flex container.
.container { display: flex; column-gap: 20px; }
77. How do you make an element disappear but keep its space?
Use visibility: hidden; instead of display: none;.
78. What is flex-grow in CSS?
Answer:
Defines how much an item should grow relative to others.
.flex-item { flex-grow: 2; }
79. How do you add a stroke to text in CSS?
Answer:
h1 { -webkit-text-stroke: 2px black; }
80. How do you create a full-screen background image?
Answer:
body {
 background: url('image.jpg') no-repeat center center/cover;
```

```
81. What is content-visibility in CSS?
Answer:
Improves performance by rendering elements only when needed.
div { content-visibility: auto; }
82. How do you create an animated underline on hover?
Answer:
a {
 text-decoration: none;
 position: relative;
}
a::after {
 content: ";
 position: absolute;
 width: 100%;
 height: 2px;
 background: black;
 bottom: 0;
 left: 0;
 transform: scaleX(0);
 transition: transform 0.3s;
}
a:hover::after {
 transform: scaleX(1);
}
83. What is writing-mode in CSS?
Answer:
Controls text direction.
p { writing-mode: vertical-rl; }
84. How do you create a button with a glow effect?
Answer:
```

}

```
button {
 background: blue;
 box-shadow: 0 0 10px blue;
}
85. What is overflow-wrap in CSS?
Answer:
Breaks long words to prevent overflow.
p { overflow-wrap: break-word; }
86. What is the currentColor keyword in CSS?
Answer:
Uses the text color for borders or other elements.
div { border: 2px solid currentColor; }
87. How do you make a sticky sidebar using CSS?
Answer:
.sidebar { position: sticky; top: 0; height: 100vh; }
88. How do you animate background color change?
Answer:
@keyframes bgChange {
0% { background: red; }
 100% { background: blue; }
}
div { animation: bgChange 2s infinite; }
89. What is hyphens in CSS?
Answer:
Controls word hyphenation.
p { hyphens: auto; }
90. What is object-position in CSS?
Answer:
Positions images inside their container.
img { object-position: center top; }
```

91. How do you create a button with a pressed effect?

```
Answer:
button:active { transform: translateY(2px); }
92. What is :root in CSS?
Answer:
Refers to the highest level (html) element.
93. What is overflow-anchor in CSS?
Answer:
Prevents scroll position jumps.
div { overflow-anchor: none; }
94. How do you add animation delay in CSS?
Answer:
div { animation-delay: 2s; }
95. How do you make a CSS-only toggle switch?
Answer:
Use the :checked pseudo-class with a hidden <input>.
96. What is appearance in CSS?
Answer:
Removes default browser styling.
button { appearance: none; }
97. What is perspective in CSS?
Answer:
Gives a 3D effect to elements.
.container { perspective: 1000px; }
98. How do you add a delay before hover effects?
Answer:
button { transition-delay: 0.5s; }
99. What is revert in CSS?
Answer:
Resets a property to its default browser style.
p { color: revert; }
100. How do you make a background move in CSS?
Answer:
@keyframes moveBackground {
```

```
from { background-position: 0 0; }

to { background-position: 100% 0; }

div { animation: moveBackground 5s linear infinite; }
```