

Great! Let's start with **Topic 1: What is HTML?**

1. What is HTML?

HTML stands for **HyperText Markup Language**.

- It is the **standard language used to create web pages**.
 - HTML is **not a programming language**; it's a **markup language**.
 - It tells the web browser **how to structure and display content** on a webpage.
-

Key Points:

- **HyperText** means the text contains links to other texts (web pages).
 - **Markup Language** means it uses tags to "mark up" the content.
 - HTML uses **tags** enclosed in angle brackets like `<tagname>` to create elements.
 - Browsers read HTML files and **render (show) the content** according to the tags.
-

Example of a simple HTML:

```
<!DOCTYPE html>
<html>
  <head>
    <title>My First Webpage</title>
  </head>
  <body>
    <h1>Hello, world!</h1>
    <p>This is my first webpage using HTML.</p>
  </body>
</html>
```

Explanation:

- `<!DOCTYPE html>` — This tells the browser that this is an HTML5 document.
- `<html>` — The root element that wraps the whole webpage.
- `<head>` — Contains metadata and information for the browser (like title).
- `<title>` — Sets the page title shown in the browser tab.
- `<body>` — Contains the content visible on the page.
- `<h1>` — A heading.
- `<p>` — A paragraph.

Summary

- HTML is the **basic building block** of websites.
 - It structures text, images, links, and other content.
 - It uses **tags** to define elements.
 - Browsers read HTML to display webpages.
-

Would you like me to explain the **next topic — Structure of an HTML Document** with examples?

Perfect! Here's the detailed explanation for:

2. Structure of an HTML Document

An HTML document has a **basic structure** that every web page follows. It helps browsers understand and display your content correctly.

Basic Structure:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
  </head>
  <body>
    <!-- Your visible content goes here -->
  </body>
</html>
```

Explanation of each part:

1. **<!DOCTYPE html>**
 - Declares the document type.
 - It tells the browser this is an **HTML5** document.
 - Important for correct rendering.
2. **<html>**
 - The root element that contains the whole page content.
 - Everything inside your webpage goes within this tag.
3. **<head>**

- Contains meta-information about the webpage.
- This information is **not shown directly** on the page.
- Typical content:
 - `<title>` — Title of the webpage (shows on browser tab).
 - `<meta>` — Metadata like charset, viewport settings.
 - Links to CSS or JavaScript files.

4. `<body>`

- Contains the **visible content** of the webpage.
 - Everything you want the user to see goes here: text, images, links, etc.
-

Example with comments:

```
<!DOCTYPE html>
<html>
<head>
<title>My Sample Page</title> <!-- Title shown in browser tab -->
</head>
<body>
<h1>Welcome to my website!</h1> <!-- Main heading -->
<p>This is a simple paragraph.</p> <!-- Paragraph text -->
</body>
</html>
```

Summary:

- The **document starts with `<!DOCTYPE html>`** to define HTML5.
 - The whole page is inside `<html>`.
 - Metadata (like title) goes inside `<head>`.
 - Visible content goes inside `<body>`.
-

Want me to continue with **Topic 3: HTML Tags and Elements?**

Alright! Here's the next topic:

3. HTML Tags and Elements

What is an HTML Tag?

- An **HTML tag** is a keyword surrounded by angle brackets < >.

Tags usually come in **pairs**: an **opening tag** and a **closing tag**.

Example:

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

- - <p> is the opening tag.
 - </p> is the closing tag.
 - Content goes between these tags.
-

What is an HTML Element?

- An **element** includes the opening tag, content, and closing tag.
 - In the example above, <p>This is a paragraph.</p> is a **paragraph element**.
-

Self-closing Tags

- Some tags don't have content and close themselves.

They don't have a closing tag but end with a slash inside the tag.

Example:

```
  
<br />
```

- Modern HTML allows these to be written as just or
, but both work.
-

Nested Elements

HTML elements can be inside other elements.

Example:

```
<div>  
  <h1>Title</h1>  
  <p>Paragraph inside a div.</p>
```

```
</div>
```

- - This is called **nesting**.
-

Summary:

- Tags are keywords inside < > that define elements.
 - Most tags come in pairs: opening <tag> and closing </tag>.
 - Elements include the tags and their content.
 - Some tags are self-closing (no content inside).
 - Elements can be nested inside others.
-

Ready for **Topic 4: Common HTML Tags?**

Here's the next one:

4. Common HTML Tags

These are the most frequently used tags you'll use to build webpages.

Headings

- Used to define titles or headings.
- There are six levels, from <h1> (largest) to <h6> (smallest).

```
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<!-- and so on until -->
<h6>This is heading 6</h6>
```

Paragraph

- Defines a paragraph of text.

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

Line Break

- Inserts a line break (new line).

Horizontal Rule

- Inserts a horizontal line (divider).

<hr>

Example using these tags together:

```
<h1>Welcome to My Website</h1>
<p>This is the first paragraph.<br>Here is a new line in the same paragraph.</p>
<hr>
<p>This is another paragraph below the line.</p>
```

Summary

- `<h1>` to `<h6>` are headings, biggest to smallest.
 - `<p>` is a paragraph.
 - `
` adds a line break.
 - `<hr>` adds a horizontal line.
-

Want to continue to **Topic 5: Text Formatting Tags?**

Here's Topic 6:

6. Comments in HTML

What are Comments?

- Comments are **notes or explanations** in the HTML code.
 - They **do not show up on the webpage**.
 - Useful for leaving reminders or explanations for yourself or other developers.
-

How to write comments?

```
<!-- This is a comment -->  
<p>This paragraph is visible.</p>  
<!-- Comments can span  
multiple lines -->
```

Why use comments?

- Explain complicated parts of code.
 - Temporarily disable code without deleting it.
 - Make code easier to understand.
-

Summary

- Comments start with `<!--` and end with `-->`.
 - Content inside comments is ignored by browsers.
 - Useful for documentation and debugging.
-

Ready for Topic 7: Lists?

Here's Topic 7:

7. Lists in HTML

Types of Lists

1. Ordered List (``)

- A numbered list.
- Items are automatically numbered.

```
<ol>  
  <li>First item</li>  
  <li>Second item</li>  
  <li>Third item</li>  
</ol>
```

2. Unordered List (``)

- A bulleted list.

- Items have bullet points.

```
<ul>
  <li>Apple</li>
  <li>Banana</li>
  <li>Orange</li>
</ul>
```

3. List Items (``)

- Defines each item inside `` or ``.
-

Example of nested lists:

```
<ul>
  <li>Fruits
    <ul>
      <li>Apple</li>
      <li>Banana</li>
    </ul>
  </li>
  <li>Vegetables
    <ul>
      <li>Carrot</li>
      <li>Broccoli</li>
    </ul>
  </li>
</ul>
```

Summary

- Use `` for numbered lists.
 - Use `` for bulleted lists.
 - Use `` for each list item.
 - Lists can be nested inside each other.
-

Want to go to **Topic 8: Links?**

Here's Topic 8:

8. Links in HTML (tag)

What are links?

- HTML links connect one page to another.
 - You create links using the **anchor tag**: .
-

Basic Syntax:

```
<a href="https://www.google.com">Visit Google</a>
```

- is the anchor tag.
 - href stands for **hypertext reference** (the URL).
 - The text inside the tag is what the user clicks.
-

Types of Links:

1. External Link (to another website):

```
<a href="https://www.wikipedia.org">Go to Wikipedia</a>
```

2. Internal Link (to another page on your site):

```
<a href="about.html">About Us</a>
```

3. Email Link:

```
<a href="mailto:someone@example.com">Send Email</a>
```

4. Phone Link:

```
<a href="tel:+911234567890">Call Us</a>
```

5. Open Link in New Tab:

```
<a href="https://www.example.com" target="_blank">Open in New Tab</a>
```

Optional Attributes:

Attribute	Description
<code>href</code>	The destination URL
<code>target="_blank"</code>	Opens link in a new tab
<code>title</code>	Shows tooltip when hovering over the link
<code>download</code>	Downloads the linked file instead of opening it

Summary:

- Use `<a>` with `href` to create links.
 - Links can go to websites, pages, email, or phone numbers.
 - Add `target="_blank"` to open in a new tab.
-

Shall we continue to **Topic 9: Images?**

Thanks for the clarification! Here's **Topic 9: Images in HTML** again — this time **without tables**, in plain text format for easier note-making:

9. Images in HTML (`` tag)

What is it?

- The `` tag is used to **display images** on a webpage.
 - It is a **self-closing tag** (no need for a closing ``).
-

Basic Syntax:

```

```

Important Attributes:

- `src`: The **source** of the image (file path or URL).
- `alt`: **Alternative text** shown if the image can't load or for screen readers.
- `width`: Sets the **width** of the image (can be in pixels or %).
- `height`: Sets the **height** of the image (can be in pixels or %).

Examples:

1. Local image (from same folder)

```

```

2. Online image (from the internet)

```

```

Notes:

- Always use the `alt` attribute for **accessibility** and **better SEO**.
 - You can control size using the `width` and `height` attributes.
 - For better styling, CSS can be used later (e.g., borders, rounded corners, etc.).
-

Would you like to move forward to **Topic 10: Attributes in HTML** or go over anything again?

Great! Let's move to:

10. Attributes in HTML

What are attributes?

- **Attributes give extra information** about an HTML element.
 - They are **always written in the opening tag**.
 - They usually come in **name="value"** pairs.
-

Example:

```

```

Here,

- `src`, `alt`, and `width` are attributes of the `` tag.
-

Common Attributes:

href – used in `<a>` to define the link destination

```
<a href="https://google.com">Google</a>
```

1.

src – used in `` to define the image path

```

```

2.

3. **alt** – used in `` to describe the image

title – shows a tooltip when you hover over an element

```
<p title="This is a tooltip">Hover me</p>
```

4.

style – adds inline CSS to style the element

```
<p style="color: red;">Red Text</p>
```

5.

id – gives a unique name to an element

```
<h1 id="main-heading">Hello</h1>
```

6.

class – gives a class name (used for CSS or JavaScript)

```
<div class="box">Box content</div>
```

7.

Notes:

- Attribute names are **case-insensitive**, but lowercase is preferred.
 - Attribute values should be **in quotes**.
-

Would you like to move to [Topic 11: Tables in HTML](#) again (revised), or skip to [Topic 12: Forms and Input Elements](#)?

Here's [Topic 11: Tables in HTML](#) explained clearly without using tables inside the explanation:

11. Tables in HTML

What are tables?

Tables are used in HTML to **display data in rows and columns**, just like in Excel.

Main Tags Used:

1. `<table>` – starts the table
 2. `<tr>` – table row
 3. `<th>` – table header cell (bold and centered by default)
 4. `<td>` – table data cell
-

Basic Example:

```
<table border="1">
  <tr>
    <th>Name</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Alice</td>
    <td>25</td>
  </tr>
  <tr>
    <td>Bob</td>
    <td>30</td>
  </tr>
</table>
```

Explanation:

- The first row uses `<th>` to create table headers: "Name" and "Age".
- The next rows use `<td>` to add data: "Alice, 25" and "Bob, 30".

- The `border="1"` attribute is added to make the table lines visible (this can also be done using CSS later).
-

Merging Cells:

`colspan` – merges columns

Example:

```
<td colspan="2">Merged Cell</td>
```

1.

`rowspan` – merges rows

Example:

```
<td rowspan="2">Merged Vertically</td>
```

2.

Grouping Table Parts:

- `<thead>` – for the top header section
- `<tbody>` – for the main body
- `<tfoot>` – for footer (like totals)

Example:

```
<table>
  <thead>
    <tr><th>Item</th><th>Price</th></tr>
  </thead>
  <tbody>
    <tr><td>Pen</td><td>10</td></tr>
    <tr><td>Book</td><td>50</td></tr>
  </tbody>
  <tfoot>
    <tr><td>Total</td><td>60</td></tr>
  </tfoot>
</table>
```

Notes:

- Use `border`, `cellpadding`, and `cellspacing` for spacing (or use CSS for styling).

- Tables are powerful for structured data but should be used **only when data needs to be in a grid** (don't use them for layouts).
-

Shall we continue to **Topic 12: Forms and Input Elements?**

Here's **Topic 12: Forms and Input Elements** in HTML:

12. Forms and Input Elements

What is a form?

- A **form** collects user input and sends it to a server or handles it on the same page.
 - Forms use the `<form>` tag.
-

Basic Structure:

```
<form action="submit.php" method="post">
  <!-- input fields go here -->
</form>
```

- `action`: the URL where form data is sent.
 - `method`: how data is sent (`get` or `post`).
-

Common Input Elements:

1. Text Input

```
<input type="text" name="username" placeholder="Enter your name">
```

2. Password Input

```
<input type="password" name="password">
```

3. Radio Buttons (choose one)

```
<input type="radio" name="gender" value="male"> Male
<input type="radio" name="gender" value="female"> Female
```

4. Checkboxes (choose multiple)

```
<input type="checkbox" name="hobby" value="music"> Music  
<input type="checkbox" name="hobby" value="sports"> Sports
```

5. Submit Button

```
<input type="submit" value="Submit">
```

6. Reset Button

```
<input type="reset" value="Reset">
```

7. Textarea (for long text)

```
<textarea name="message" rows="4" cols="30"></textarea>
```

8. Dropdown (Select Menu)

```
<select name="country">  
  <option value="india">India</option>  
  <option value="usa">USA</option>  
</select>
```

Example of a Full Form:

```
<form action="submit.php" method="post">  
  <label>Name:</label>  
  <input type="text" name="name"><br>  
  
  <label>Password:</label>  
  <input type="password" name="password"><br>  
  
  <label>Gender:</label>  
  <input type="radio" name="gender" value="male"> Male  
  <input type="radio" name="gender" value="female"> Female<br>  
  
  <label>Hobbies:</label>  
  <input type="checkbox" name="hobby" value="reading"> Reading  
  <input type="checkbox" name="hobby" value="traveling"> Traveling<br>  
  
  <label>Country:</label>  
  <select name="country">  
    <option value="india">India</option>
```

```
<option value="uk">UK</option>
</select><br>

<label>Message:</label><br>
<textarea name="message" rows="4" cols="30"></textarea><br>

<input type="submit" value="Send">
<input type="reset" value="Clear">
</form>
```

Notes:

- Always use the `name` attribute — it acts like a label for the data when it is submitted.
 - You can style all form elements using CSS.
-

Ready for **Topic 13: Semantic HTML Tags?**

Here's **Topic 13: Semantic HTML Tags**:

13. Semantic HTML Tags

What is Semantic HTML?

- **Semantic HTML** means using tags that **clearly describe the purpose** of the content.
 - It makes your code **more readable, accessible, and SEO-friendly**.
-

Common Semantic Tags:

1. `<header>`

- Defines the top section of a page or section (like a banner or navigation).

```
<header>
  <h1>My Website</h1>
</header>
```

2.

3. `<nav>`

- Contains **navigation links**.

```
<nav>
  <a href="home.html">Home</a>
  <a href="about.html">About</a>
</nav>
```

4.

5. **<main>**

- Contains the **main content** of the page.

```
<main>
  <h2>Welcome</h2>
  <p>This is the main area.</p>
</main>
```

6.

7. **<section>**

- Divides content into **meaningful sections**.

```
<section>
  <h3>Features</h3>
  <p>Details about features...</p>
</section>
```

8.

9. **<article>**

- Represents **independent content**, like blog posts or news articles.

```
<article>
  <h2>News Title</h2>
  <p>News content here...</p>
</article>
```

10.

11. **<aside>**

- For **side content**, like ads or related links.

```
<aside>
  <p>Related articles</p>
</aside>
```

12.

13. <footer>

- Defines the **bottom section** of a page or section.

```
<footer>
  <p>Copyright © 2025</p>
</footer>
```

14.

15. <figure> and <figcaption>

- For images with captions.

```
<figure>
  
  <figcaption>A beautiful sunset.</figcaption>
</figure>
```

16.

Why Use Semantic Tags?

- Makes code easier to understand for **developers**.
 - Helps **search engines** index your site better.
 - Improves **accessibility** for screen readers.
-

Ready to move to **Topic 14: Inline vs Block Elements?**

Here's **Topic 14: Inline vs Block Elements** in HTML:

14. Inline vs Block Elements

What are HTML Elements?

Every HTML tag creates an element on the web page.

Elements can be either **block-level** or **inline** based on how they behave in layout.

Block-level Elements

- Take up the **full width** of the page (100% of the line).

- Always start on a **new line**.
- Can contain **other block or inline elements**.

Examples:

```
<div>, <p>, <h1> to <h6>, <ul>, <ol>, <li>, <section>, <article>, <header>, <footer>
```

Example:

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

Each **<p>** will appear on a new line.

Inline Elements

- Take up **only as much width as necessary**.
- **Do not start on a new line**.
- Can contain **only other inline elements or text**.

Examples:

```
<span>, <a>, <strong>, <em>, <img>, <input>, <label>, <br>
```

Example:

```
<p>This is <strong>bold</strong> and <em>italic</em> text.</p>
```

All appear on the **same line**.

Example Showing the Difference:

```
<div>This is a block</div>
<span>This is inline</span>
<span>Still inline</span>
```

- The **<div>** takes the whole line.
 - The **** elements sit next to each other on the same line.
-

Summary:

- **Block elements**: Start new line, full width.

- **Inline elements:** No new line, only as wide as their content.
-

Would you like to move on to **Topic 15: HTML Entities**?

Here's **Topic 15: HTML Entities**:

15. HTML Entities

What are HTML Entities?

- HTML Entities are **special codes** used to display reserved characters or symbols in HTML.
 - They start with & and end with ;.
 - Used to show characters that HTML normally treats as code.
-

Why use them?

- Some characters like <, >, & are part of HTML syntax, so to show them as text, you use entities.
 - Also used for special symbols like ©, ®, or emojis.
-

Common HTML Entities:

- < → displays < (less than sign)
 - > → displays > (greater than sign)
 - & → displays & (ampersand)
 - " → displays " (double quote)
 - ' → displays ' (apostrophe)
 - → displays a **non-breaking space** (extra space that won't break into a new line)
 - © → displays © (copyright symbol)
 - ® → displays ® (registered trademark symbol)
-

Example:

```
<p>Use &lt;strong&gt; to make text bold.</p>
<p>© 2025 My Website</p>
```

Output:

Use `` to make text bold.

© 2025 My Website

Want to continue to **Topic 16: HTML Comments?**

Here's **Topic 16: HTML Comments**:

16. HTML Comments

What are comments?

- Comments are **notes** in the HTML code.
 - They **do not show up** on the webpage.
 - Used to explain code or leave reminders for developers.
-

How to write a comment?

Use this syntax:

```
<!-- This is a comment -->
```

Example:

```
<!-- This is the main header -->
<h1>Welcome to my website</h1>
```

The comment will not appear on the page but is visible in the HTML source code.

Why use comments?

- To explain complex parts of code.
 - To temporarily disable code without deleting it.
 - To leave messages for yourself or other developers.
-

Ready for **Topic 17: HTML iframes**?

Here's **Topic 17: HTML iframes**:

17. HTML iframes

What is an iframe?

- An **iframe** (inline frame) allows you to **embed another webpage inside your webpage**.
 - It's like a window that shows content from a different URL.
-

Basic syntax:

```
<iframe src="https://www.example.com" width="600" height="400"></iframe>
```

Important attributes:

- **src** — URL of the page to display inside the iframe.
 - **width** — width of the iframe (in pixels or %).
 - **height** — height of the iframe.
 - **title** — describes the iframe content for accessibility.
 - **frameborder** — border around the iframe (deprecated, better use CSS).
 - **allowfullscreen** — allows full screen mode for videos inside iframe.
-

Example: Embedding a YouTube video

```
<iframe width="560" height="315" src="https://www.youtube.com/embed/dQw4w9WgXcQ" title="YouTube video player" frameborder="0" allowfullscreen></iframe>
```

Notes:

- Some websites prevent embedding their pages using **X-Frame-Options** security settings.
 - Use iframes carefully; too many can slow down your page.
-

Want to go to **Topic 18: HTML Audio and Video** next?

Here's **Topic 18: HTML Audio and Video**:

18. HTML Audio and Video

What are these tags?

- HTML provides `<audio>` and `<video>` tags to embed media files directly in webpages.
-

Audio Tag

- Plays sound files like MP3, WAV, OGG.

Basic syntax:

```
<audio controls>
  <source src="song.mp3" type="audio/mpeg">
    Your browser does not support the audio element.
</audio>
```

- `controls` attribute shows play/pause buttons.
 - Use `<source>` to provide file and its type.
 - The text inside `<audio>` shows if the browser can't play the audio.
-

Video Tag

- Plays video files like MP4, WebM, OGG.

Basic syntax:

```
<video width="640" height="360" controls>
  <source src="movie.mp4" type="video/mp4">
    Your browser does not support the video element.
</video>
```

- `width` and `height` set size.
 - `controls` shows play, pause, volume controls.
-

Optional Attributes for both:

- `autoplay` — starts playing automatically (use carefully).
 - `loop` — repeats the media continuously.
 - `muted` — starts muted.
 - `preload` — how browser loads the media (`auto`, `metadata`, `none`).
-

Want to move on to **Topic 19: HTML Lists?**

Here's **Topic 19: HTML Lists**:

19. HTML Lists

Types of lists in HTML:

1. **Ordered List (``)**

- Displays items in a numbered list.

2. **Unordered List (``)**

- Displays items with bullet points.

3. **Description List (`<dl>`)**

- Displays terms and their descriptions.
-

1. Ordered List (``)

```
<ol>
  <li>First item</li>
  <li>Second item</li>
  <li>Third item</li>
</ol>
```

2. Unordered List (``)

```
<ul>
  <li>Apples</li>
  <li>Bananas</li>
  <li>Oranges</li>
</ul>
```

3. Description List (<dl>)

```
<dl>
  <dt>HTML</dt>
  <dd>HyperText Markup Language</dd>

  <dt>CSS</dt>
  <dd>Cascading Style Sheets</dd>
</dl>
```

- <dt> = term
 - <dd> = description
-

Want to go to **Topic 20: HTML File Paths?**

Here's **Topic 20: HTML File Paths:**

20. HTML File Paths

What are file paths?

- File paths tell the browser **where to find files** like images, CSS, or links.
-

Types of file paths:

1. **Absolute Path**

- Full URL starting from the root (domain).

Example:

```

```

2. **Relative Path**

- Path relative to the current file location.
-

Examples of relative paths:

- Same folder:

- ```

 - Subfolder:

 - Parent folder:

```

#### Quick tip:

- Use **relative paths** for your own website files.
  - Use **absolute paths** for external links.
- 

Want to continue with **Topic 21: HTML Head Elements**?

Here's **Topic 21: HTML Head Elements**:

---

## 21. HTML Head Elements

---

### What is the `<head>` section?

- The `<head>` is a part of the HTML document that contains **meta-information** about the page.
  - This info is **not shown** directly on the webpage but helps browsers and search engines.
- 

### Common elements inside `<head>`:

1. `<title>`
  - Sets the title of the page (shown on the browser tab).
2. `<meta>`
  - Provides metadata like character set, description, keywords, viewport, etc.
3. `<link>`

- Links external files like CSS stylesheets or icons.

#### 4. `<style>`

- Contains internal CSS styles.

#### 5. `<script>`

- Adds JavaScript code or links external JS files.
- 

#### **Example:**

```
<head>
 <title>My Webpage</title>
 <meta charset="UTF-8">
 <meta name="description" content="A simple webpage">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <link rel="stylesheet" href="styles.css">
 <style>
 body { font-family: Arial; }
 </style>
 <script src="script.js"></script>
</head>
```

---

Want to move on to **Topic 22: HTML Meta Tags**?

Here's **Topic 22: HTML Meta Tags**:

---

## **22. HTML Meta Tags**

---

### **What are meta tags?**

- Meta tags provide **metadata** about the HTML document.
  - Placed inside the `<head>` section.
  - Help with **SEO, browser behavior, and mobile responsiveness**.
- 

### **Common meta tags:**

#### **1. Charset (Character Encoding)**

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

- Defines the character set (UTF-8 is standard).

## 2. Viewport (Responsive Design)

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

- Makes the webpage look good on all devices (mobiles, tablets).

## 3. Description

```
<meta name="description" content="This is a webpage about cats.">
```

- Short summary shown by search engines.

## 4. Keywords

```
<meta name="keywords" content="cats, pets, animals">
```

- Keywords for search engines (less used nowadays).

## 5. Author

```
<meta name="author" content="John Doe">
```

- The author of the webpage.
- 

### Example:

```
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <meta name="description" content="A cool webpage">
 <meta name="author" content="Jane Smith">
 <title>My Page</title>
</head>
```

---

Want to continue with **Topic 23: HTML5 New Features?**

Here's **Topic 23: HTML5 New Features**:

---

## 23. HTML5 New Features

---

### What is HTML5?

- HTML5 is the **latest version** of HTML.
  - It added many new tags and features for modern web development.
- 

### Important new HTML5 tags:

- `<section>` — Defines sections in a page.
  - `<article>` — Defines independent, self-contained content.
  - `<nav>` — Navigation links.
  - `<header>` — Header of a page or section.
  - `<footer>` — Footer of a page or section.
  - `<aside>` — Content aside from the main content (sidebars).
  - `<figure>` and `<figcaption>` — For images and captions.
  - `<video>` — Embeds video.
  - `<audio>` — Embeds audio.
  - `<canvas>` — Used for drawing graphics via JavaScript.
  - `<progress>` — Shows progress bars.
  - `<meter>` — Displays scalar measurement within a known range.
  - `<time>` — Represents a specific time or date.
- 

### Other Features:

- New form controls (date, email, number, etc.).
  - Drag and drop support.
  - Offline storage (`localStorage`, `sessionStorage`).
  - Geolocation API.
  - Improved multimedia support.
- 

Want to finish with **Topic 24: HTML Best Practices?**

Here's **Topic 24: HTML Best Practices**:

---

## 24. HTML Best Practices

---

Tips to write good HTML code:

1. **Use Semantic Tags**

- Use meaningful tags like `<header>`, `<article>`, `<footer>` for better readability and SEO.

## 2. Write Clean and Indented Code

- Proper indentation helps you and others read the code easily.

## 3. Use Lowercase for Tags and Attributes

- HTML is case-insensitive, but lowercase is the convention.

## 4. Always Close Tags Properly

- For example, `<p></p>`, `<img />` (self-closing).

## 5. Use Alt Attribute for Images

- Helps screen readers and improves accessibility.

## 6. Use Comments to Explain Code

- Write comments to make complex parts clear.

## 7. Keep File Paths Correct

- Use relative paths for your site's files.

## 8. Validate Your HTML

- Use validators (like W3C) to find and fix errors.

## 9. Optimize for Accessibility

- Use ARIA roles and attributes when needed.

## 10. Keep It Simple

- Avoid unnecessary tags and complicated structures.

---

You have now a full basic overview of HTML!

Would you like to start practical examples or learn CSS next?