

HTML ROADMAP (BASIC TO ADVANCED)

Beginner Level – HTML Basics

□ Topics:

1. What is HTML? Why is it used?
2. HTML Document Structure (<!DOCTYPE html>, <html>, <head>, <body>)
3. Text Formatting Tags (<h1> to <h6>, <p>,
, <hr>, ,)
4. Lists:
 - Ordered List
 - Unordered List
 - Description List <dl>
5. Links ()
6. Images ()
7. Comments in HTML
8. Basic Attributes: id, class, title, style

? Questions:

- What is the difference between and ?
- How do you create a hyperlink that opens in a new tab?

- How do you insert an image with alternative text?
 - What are the semantic benefits of using `` instead of `<i>`?
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Intermediate Level – HTML Structure & Forms

□ Topics:

1. Tables (`<table>`, `<tr>`, `<td>`, `<th>`, `<thead>`, `<tbody>`, `<tfoot>`)
2. Forms:
 - Input elements: `<input>`, `<textarea>`, `<button>`, `<select>`, `<option>`
 - Form attributes: action, method, name, value, required, placeholder
3. Media Embedding:
 - Audio (`<audio>`)
 - Video (`<video>`)
 - iFrames (`<iframe>`)
4. HTML Entities (` `, `<`, `>`)
5. Block vs Inline Elements
6. HTML Colors, Attributes, and Inline Styles
7. Meta Tags (`<meta charset="UTF-8">`, `<meta name="viewport">`)
8. Anchor Links & Bookmarks (``)

🔗 Questions:

- How do you create a table with a caption and header?
 - What are the different types of `<input>`?
 - How do you embed a YouTube video using `<iframe>`?
 - Explain the difference between GET and POST in forms.
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🚀 Advanced Level – Semantic, Accessibility, SEO & Modern HTML

📋 Topics:

1. Semantic HTML Elements:

- `<header>`, `<nav>`, `<main>`, `<section>`, `<article>`, `<aside>`, `<footer>`

2. Forms (Advanced):

- Fieldsets and Legends (`<fieldset>`, `<legend>`)
- Input Validation (pattern, min, max, step)
- Autocomplete, Datalist (`<datalist>`)

3. Accessibility:

- ARIA Roles (role="button")
- Screen Reader Support
- Proper Labeling (`<label for="">`)

4. SEO Essentials:

- Title Tags

- Meta Descriptions
- Heading Hierarchy
- alt tags for images

5. Responsive Design with HTML:

- Viewport Meta Tag
- Using `<picture>` for responsive images

6. HTML5 APIs (Overview):

- Geolocation
- Drag and Drop
- Local Storage (HTML + JS)
- Web Workers

? Questions:

- What are semantic elements, and why are they important?
- How do you make a form accessible for screen readers?
- How do meta tags help in SEO?
- What's the use of the `<picture>` element in responsive web design?
- How is HTML5 different from HTML4?

□ Bonus: Practice Projects Ideas

- Build a personal profile page using only HTML.

- Create a product catalog using tables.
 - Make a contact form using form elements.
 - Embed a responsive video and image gallery.
 - Design a blog layout with semantic HTML.
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