



# HTML



# DAY 01



## Introduction to HTML

- What is HTML?
- Structure of an HTML document.
- HTML tags and elements.
- Creating a basic HTML document.
- HTML file structure.

# DAY 02

## HTML Document Structure

- Head section: meta tags, title, and links.
- Body section: headings, paragraphs, and line breaks.
- Text formatting: bold, italic, underline.
- Lists: ordered and unordered.



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# DAY 03

## Links and Anchor Tags

- Creating hyperlinks.
- Linking to internal and external pages.
- Linking to email addresses.
- Linking to other resources (PDFs, images, etc.).

# DAY 04

## Working with Images

- Adding images to a webpage.
- Image formats (JPEG, PNG, GIF).
- Image attributes (alt, width, height).



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# DAY 05

## HTML Forms

- Creating forms.
- Input elements: text, password, email, etc.
- Radio buttons, checkboxes, and select lists.
- Submit and reset buttons.

# DAY 06

## HTML Tables

- Creating tables.
- Table rows and columns.
- Table headers and data cells.
- Spanning rows and columns.



# DAY 07

## HTML Semantics

- Semantic HTML elements (header, nav, section, article, etc.)
- Using semantics for accessibility and SEO



# DAY 08

## HTML Multimedia

- Embedding audio and video.
- Using the `<audio>` and `<video>` elements.
- Setting video controls and captions.



# DAY 09

## HTML Forms - Part 2

- Form elements: radio buttons, checkboxes, and select lists
- Form validation with HTML attributes
- Creating a contact form



# DAY 10

## HTML Lists and Links - Advanced

- Ordered list types (A, a, I, i)
- Creating navigation menus
- Creating anchor links within a page



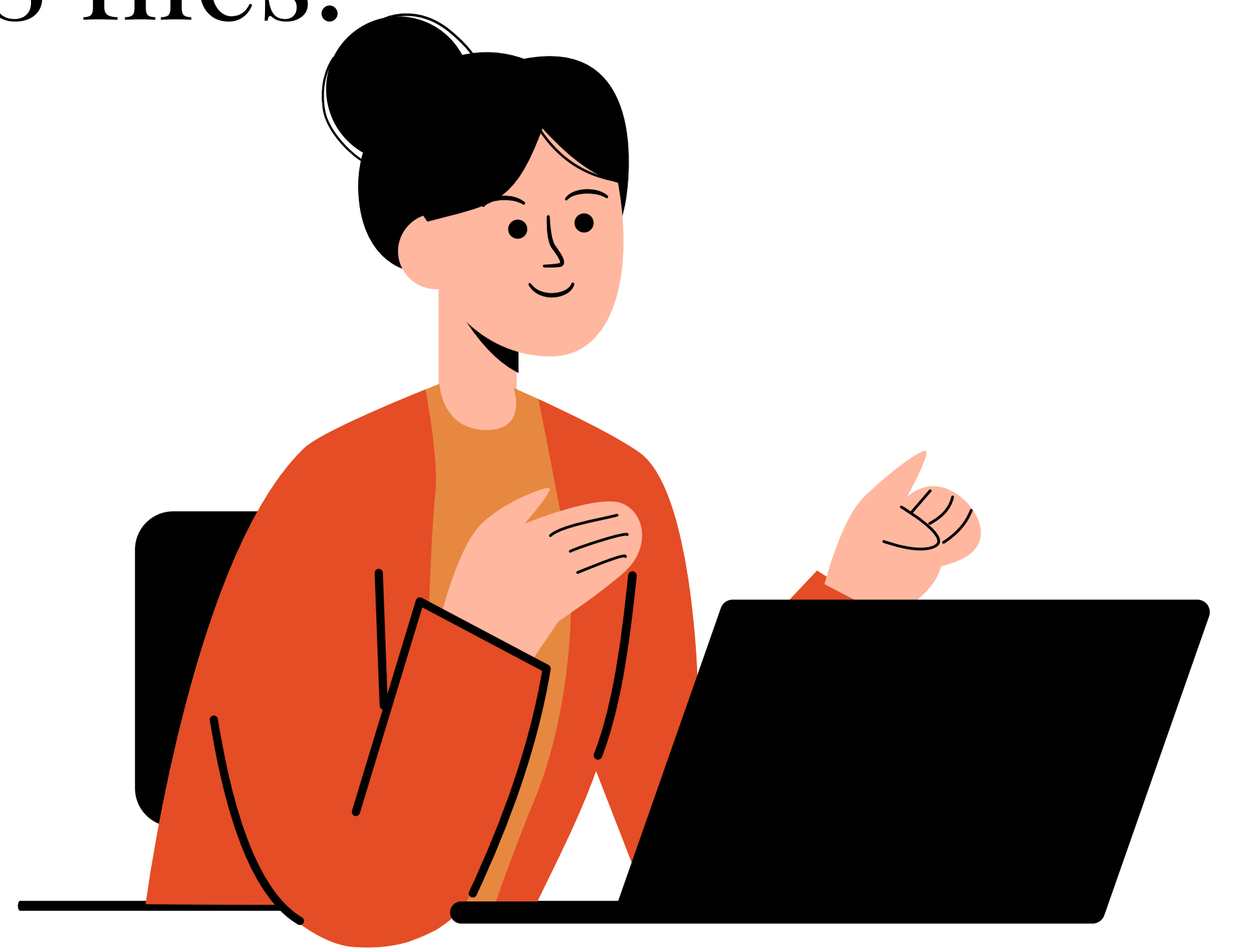
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# DAY 11

## HTML and CSS

- Introduction to CSS.
- Inline styles and internal CSS.
- Linking external CSS files.



# DAY 12

## HTML5 and Web Development Tools

- HTML5 features (local storage, geolocation, etc.)
- Browser developer tools
- Validating HTML code



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# DAY13

## HTML Forms - Advanced

- Radio buttons and checkboxes
- Select lists with multiple options
- File input for uploading



# DAY14

## HTML Responsive Design

- Media queries
- Creating a responsive layout
- Mobile-first design principles



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# DAY 15

## HTML and Images - Advanced

- Image maps
- Responsive images with the srcset attribute
- Lazy loading images.



# DAY 16

## HTML Forms - JavaScript Interaction

- Form validation with JavaScript
- Real-time feedback on form fields
- Using JavaScript to submit forms



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# DAY 17

## HTML Tables - Advanced

- Styling tables with CSS
- Table headers and accessibility
- Creating data tables



# DAY 18

## HTML Accessibility

- Importance of web accessibility
- Semantic HTML for accessibility
- ARIA roles and attributes



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# DAY 19

## HTML Optimization

- Minifying HTML
- Compressing images
- Reducing HTTP requests
- Browser caching



# DAY 20

## Final Project and Recap

- Apply the knowledge learned to create a simple webpage
- Recap of essential HTML concepts
- Tips for further learning and resources



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