



HTML

The Building Block of
Web



MERN – HTML

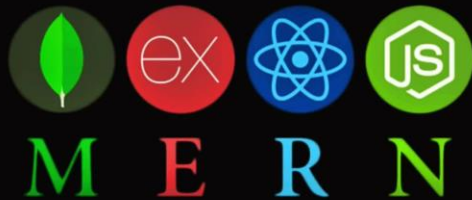
SHUBHAM SHRIVASTAVA

30 Days Coding
Challenge



Agenda

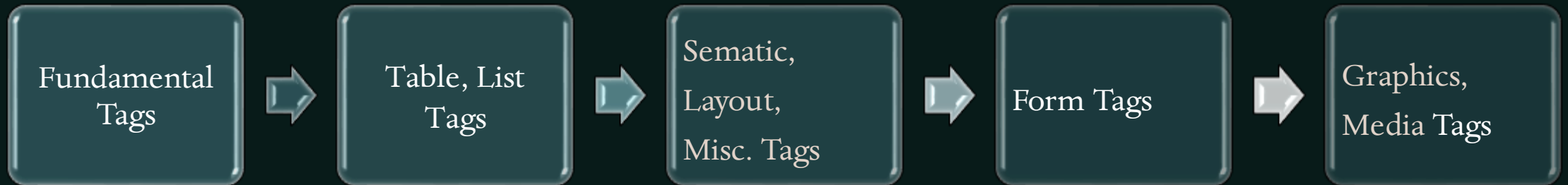
1. Quick Discussion – Concerns, Improve, & Goals.
2. Quick Pointers for Beginners, Intermediate, & Advanced.
3. Pre-requisites for exponential growth.
4. What is Marathon Session?
5. Recap of the Last Learnings/Lecture.
6. Interview Oriented HTML Topics & VS Code Implementation.



HTML → CSS → JavaScript → ReactJS → Redux
→ ExpressJS & MongoDB → DSA

Important HTML Tags

Don't Mug up!
You must be aware of your tools, here HTML Tag!





Fundamental Tags

Part - A

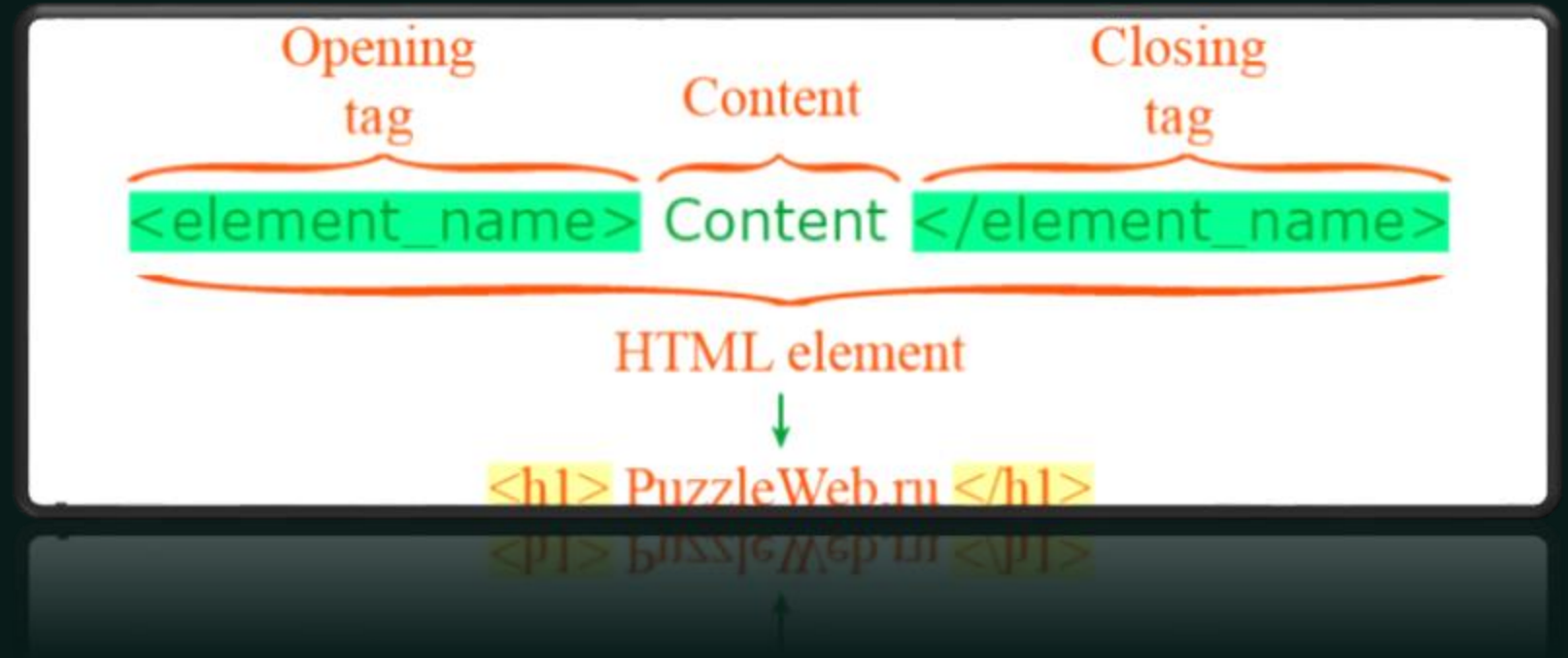


Fundamental HTML Tags - 79

1. Standard Markup Language.
2. What if No HTML?
3. Why HTML?
4. Learning Curve.
5. HTML?
6. HTML File Extension.
7. Boiler Plate Code.
8. Brief Introduction.
9. Tags & Browsers.
10. How the content is being displayed on browser by HTML Tags.
11. `<!DOCTYPE html>`
12. `<html lang="en"></html>`
13. `<Tag Attribute="Value"></Tag>`
14. `lang="lang_code"`
15. `<head></head>`
16. `<title></title>`
17. `<body></body>`
18. `<h1></h1>` - `<h6></h6>`
19. `<p></p>`
20. Start Tag, End Tag, Content.
21. Empty/Self-Closing Tag.

Syntax of Symbolic Web Language

- ❖ Opening Tag.
- ❖ Closing Tag.
- ❖ Self-closing Tag.



History of HTML (1989-2017)

Year	Version
1989	Tim Berners-Lee invented www
1991	Tim Berners-Lee invented HTML
1993	Dave Raggett drafted HTML+
1995	HTML Working Group defined HTML 2.0
1997	W3C Recommendation: HTML 3.2
1999	W3C Recommendation: HTML 4.01
2000	W3C Recommendation: XHTML 1.0
2008	WHATWG HTML5 First Public Draft
2012	<u>WHATWG HTML5 Living Standard</u>
2014	<u>W3C Recommendation: HTML5</u>
2016	W3C Candidate Recommendation: HTML 5.1
2017	<u>W3C Recommendation: HTML5.1 2nd Edition</u>
2017	<u>W3C Recommendation: HTML5.2</u>

Fundamental HTML Tags - 79

- 22. `Content`
- 23. location (url) & destination.
- 24. Web Browsers (Interpretator).
- 25. Structure of Webpage.
- 26. HTML History. (refer below).
- 27. Text Editors.
- 28. ``
- 29. View Page Source (Ctrl+U)
- 30. Chrome Dev Tools (Ctrl+Shift+C/I or F12).
- 31. Inspect Tools & Go Through
- 32. What is an HTML Element?
- 33. Nomenclature Elements.
- 34. Nested Elements.
- 35. Unexpected Errors.
- 36. Empty / Self-Closing Elements.
- 37. HTML – Non-case sensitive.
- 38. HTML – Attributes.
- 39. Common Attributes.
- 40. href, src, alt, style, lang, title (tooltip) attributes.
- 41. HTML Conventions.
- 42. Absolute, Relative URL.
- 43. Width and Height.

Fundamental HTML Tags - 79

44. HTML Tag – Display and Importance.

45. Headings.

46. Paragraphs.

47. `<hr />`

48. HTML Text Formatting Tags.

49. `<pre>I'm Semantic</pre>`

50. HTML Styles.

51. HTML Quotation / Citation Elements.

52. `<blockquote></blockquote>`

53. `<q></q>`

54. `<abbr title=""></abbr>`

55. `<address></address>`

56. `<cite></cite>`

57. `<bdo dir="rtl"></bdo>`

58. `<!-- Comments -->`

59. Hide Inline Content.

60. HTML Colors.

61. Pre-defined Colors – 140.

62. HEX, RGB & HSL Colors.

63. HTML CSS.

64. HTML Links – Hyperlinks.

65. href, target attribute.

66. Absolute vs Relative URLs.

67. ``

Fundamental HTML Tags - 79

68. `Send`

69. `<button onClick="document.location='index.html' ">Click</button>`

70. `Hi`

71. Absolute and Relative URLs.

72. Link – Create Bookmarks.

73. HTML Images, Formats, and Floating.

74. HTML Image Maps – map, area, shape, coords

75. HTML Backgrounds & its CSS.

76. `<picture></picture>`

77. Favicon in head using link.

78.

79.



Table, List Tags

Part - B



Table, List, Media HTML Tags - 45

- | | |
|----------------------------------------------------|-----------------------------------------|
| 1. HTML Tables. | 12. Table Borders. |
| 2. <code><table></table></code> | 13. Collapsed Borders. |
| 3. <code><td></td></code> | 14. Table Stylings with CSS. |
| 4. <code><tr></tr></code> | 15. Table Sizes. |
| 5. <code><th></th></code> | 16. Table Headers. |
| 6. <code><thead></thead></code> | 17. Table padding & Spacing. |
| 7. <code><tbody></tbody></code> | 18. Cell – Rowspan & Colspan. |
| 8. <code><tfoot></tfoot></code> | 19. Table Stylings with CSS. |
| 9. <code><caption></caption></code> | 20. Lists. |
| 10. <code><colgroup></colgroup></code> | 21. <code>ul, ol, li, dl, dt, dd</code> |
| 11. <code><col /></code> | 22. Nested Lists. |

Table, List, Media HTML Tags - 45

- 23. List-style-type or style attribute.
- 24. Start attribute.
- 24. Horizontal List with CSS.
- 25. Block and Inline Elements.
- 26. Inline-block Element.
- 27. Class Attribute as Selector.
- 28. Id Attribute as Selector.
- 29. Class and Id in JS.
- 30. HTML JavaScript.
- 31. HTML File Paths.
- 32. Head Element and its child element.
- 33. `<base href=""></base>`
- 34. `<link href="" />`
- 35. `<meta />`
- 36. `<script src=""></script>`
- 37. `<style></style>`
- 38. Layout Elements and Techniques.
- 39. HTML Responsive Web Design.
- 40. Computer Code Elements.
- 41. `<code></code>`
- 42. `<kbd></kbd>`
- 43. `<samp></samp>`
- 44. `<var></var> / <pre></pre>`
- 45.

Block & Inline HTML Elements

Here are the block-level elements in HTML:

<code><address></code>	<code><article></code>	<code><aside></code>	<code><blockquote></code>	<code><canvas></code>	<code><dd></code>	<code><div></code>	<code><dl></code>
<code><dt></code>	<code><fieldset></code>	<code><figcaption></code>	<code><figure></code>	<code><footer></code>	<code><form></code>	<code><h1>-<h6></code>	<code><header></code>
<code><hr></code>	<code></code>	<code><main></code>	<code><nav></code>	<code><noscript></code>	<code></code>	<code><p></code>	<code><pre></code>
<code><section></code>	<code><table></code>	<code><tfoot></code>	<code></code>	<code><video></code>			

Here are the inline elements in HTML:

<code><a></code>	<code><abbr></code>	<code><acronym></code>	<code></code>	<code><bdo></code>	<code><big></code>	<code>
</code>	<code><button></code>
<code><cite></code>	<code><code></code>	<code><dfn></code>	<code></code>	<code><i></code>	<code></code>	<code><input></code>	<code><kbd></code>
<code><label></code>	<code><map></code>	<code><object></code>	<code><output></code>	<code><q></code>	<code><samp></code>	<code><script></code>	<code><select></code>
<code><small></code>	<code></code>	<code></code>	<code><sub></code>	<code><sup></code>	<code><textarea></code>	<code><time></code>	<code><tt></code>
<code><var></code>							



Sematic, Layout, Misc. Tags

Part - C



Semantic, Layout, Misc. HTML Tags - 24

1. Semantic vs Non-Semantic HTML Forms

2. Layout

3. `<header></header>`

4. `<nav></nav>`

5. `<section></section>`

6. `<aside></section>`

7. `<footer></footer>`

8. Semantic

9. `<article></article>`

10. `<figcaption></figcaption>`

11. `<figure></figure>`

12. `<details></details>`

13. `<summary></summary>`

14. `<main></main>`

15. `<mark></mark>`

16. `<time></time>`

17. HTML Style Guide.

18. HTML Entities.

19. HTML Symbols.

20. HTML Emojis.

21. HTML Encoding Character Sets.

22. HTML URLs.

23. HTML vs XHTML.

24.



Form Tags

Part - D



Forms HTML Tags - 40

1. HTML Forms

2. Base Elements

3. `<form></form>`

4. `<input type="text" />`

5. `<label for="">L</label>`

6. `<input type="radio" />`

7. `<input type="checkbox" />`

8. `<input type="button" />`

9. `<input type="submit" />`

10. Form Attributes.

11. Name

12. Novalidate, enctype

13. Action

14. Target

15. Method

16. Form Elements

17. `<textarea></textarea>`

18. `<select></select>`

19. `<button></button>`

20. `<fieldset></fieldset>`

21. `<output></output>`

22. `<optgroup></optgroup>`

23. `<legend></legend>`

24. `<datalist id=""></datalist>`

Forms HTML Tags - 40

25. `<option value=""></option>`

26. Select size attribute.

27. `<input type="email" />`

28. `<input type="password" />`

29. `<input type="phone" />`

30. `<input type="date" />`

31. `<input type="file" />`

32. `<input type="color" />`

33. `<input type="range" />`

34. `<input type="reset" />`

33. `<input type="url" />`

34. Input Attributes.

35. Readonly

36. Disabled

37. Maxlength & Minlength

38. Placeholder

39. Required

40. Autofocus

41. Height and Width

42. List and Datalist

43. Autocomplete

44. Multiple

45. Pattern

46. step



Graphics, Media Tags

Part - E



Graphics, Media HTML Tags - 40

1. Canvas.
2. SVG Graphics.
3. Multimedia Tags.
4. Formats
5. Media Attributes and its Values.
6. `<video><source /></video>`
7. `<audio><source /></audio>`
8. `<iframe src="" title=""></iframe>`
9. width, height, target attributes.
10. video, audio, source, src attribute.
11. HTML Plug-ins.
12. `<object></object>`
13. `<embed src="" />`
14. YouTube.
15. Global Attributes.



Summary

Revision, Repetition, Practice, and Mock Interview is the only key to land your first IT Job in 2023.

Resources:- Newton School and W3Schools.



Thank you

Shubham Shrivastava

MERN Instructor

Newton School

Keep Learning!

