

A decorative graphic on the left side of the slide, consisting of a network of thin, light green lines and small circles, resembling a circuit board or a stylized tree structure, extending from the top to the bottom of the frame.

INTRODUCTION TO HTML

INTRODUCTION TO HTML, HTML SYNTAX, HTML EXERCISE

IN THIS LECTURE

- What is HTML?
- What is it used for?
- HTML Syntax
- HTML Syntax Broken Down
- Commonly used HTML Syntax
- Comments and HTML Comments
- HTML Comments Syntax
- Commonly used HTML attributes
- Sample HTML Page Code
- A coding exercise

WHAT IS HTML?

- Hypertext Markup Language
- Think of it as another language
- A language that browser understands

WHAT IS HTML USED FOR?

- To create Web pages
- Browser displays the web page
- Every time we type in a url in browser or google or navigation bar and hit enter, it takes us to a web page
- Every time we click a link, it takes us to a web page
- Examples
- It is used to communicate with the browser
- It tells the browser what to display or render

HTML SYNTAX

- Syntax is the way a language is written
- All the spoken languages have alphabets
- Emojis
- HTML syntax is simple and contains of following,
 - Tags
 - Content
 - Attributes

HTML SYNTAX CONT...

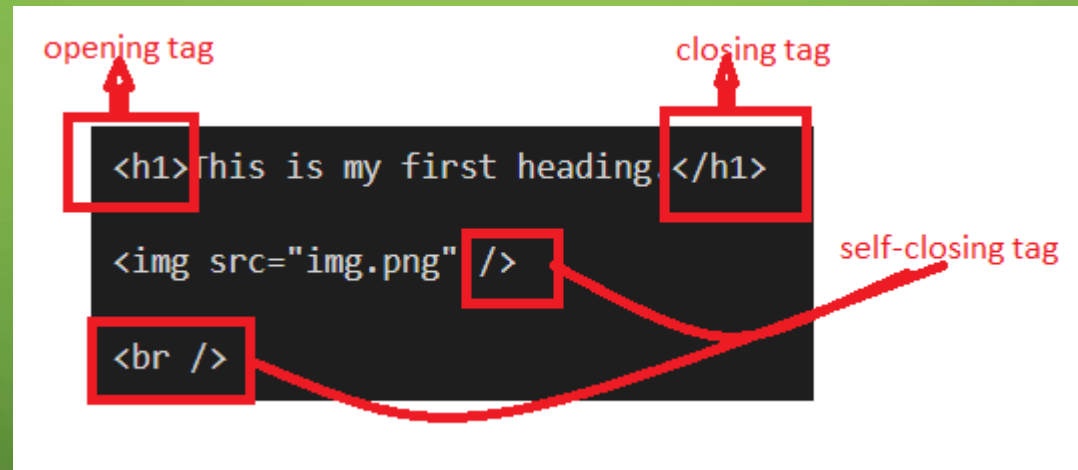
- Tags
 - Tell the browser what kind of element to show
 - Opening a tag
 - Closing a tag
 - Self-closing tags
 - Tags are not displayed in the browser
- Content
 - Enclosed in the tags
 - Content is displayed in the browser
 - Tags define how the content is displayed

HTML SYNTAX CONT...

- Attributes
 - Attributes define the properties of the element
 - Attributes are part of opening tag and self-closing tags

HTML SYNTAX BROKEN DOWN

- Tags



HTML SYNTAX BROKEN DOWN CONT...

- Content

```
<h1>This is my first heading.</h1>
```

```
<p1>
```

```
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
```

```
</p1>
```

HTML SYNTAX BROKEN DOWN CONT...

- Attributes

```
<a href="http://www.google.com">Take me to google!</a>  
  
<h1 style="color:red">This is my heading!</h1>
```

COMMONLY USED HTML SYNTAX

- `<html></html>`, root of html page/document
- `<head></head>`, contains tags/elements describing the html page
- `<title></title>`, contains the title of your html page
- `<link></link>`, used to specify link to another file like css etc.
- `<body></body>`, contains the content of your html page
- `
`, line break
- `h1, h2, h3, h4, h5, h6` – different type of headings
- `p` – paragraph style tag
- `em, b, i, u` – emphasized, bold, italic, underline

COMMONLY USED HTML SYNTAX CONT...

- center – to center the content
- a – display a link
- ol, ul – ordered, unordered list
- li – list item
- img – display the image
- table, tr, th, td – displays table, table row, table heading and table column
- form – displays form on the page
- input – displays the element to take input from the users, e.g. text, button, checkboxes etc.
- select – displays dropdown
- textarea – large textbox

COMMENTS AND HTML COMMENTS

- Crucial part of code
- Comments are only displayed in the code file
- Comments are for the developers only
- Comments are not displayed to the user
- Special syntax for comments in each coding language
- HTML also has special syntax for comments

HTML COMMENTS SYNTAX

- <!--, opening tag
- -->, closing tag
- Inline comment
- Multiple line comments

```
<!--This is my single line comment.-->
```

```
<!--This  
is  
my  
multiple  
line  
comments.-->
```

COMMONLY USED HTML ATTRIBUTES

- href – used with <a> to define hyperlink destination
- src – used with <image>,<link> to define link to another element
- type – used with <input>,<link> to describe input
- title – used with all tags to display tooltip
- alt – used with to display text when image is not available
- style – used with all tags to define cosmetics

IN-CLASS EXERCISE

Profile Card



Name: **Farjad Habib**

Job: *Software Developer*

Linkedin: [Go to LinkedIn](#)

Github: [Go to Github](#)

USEFUL LINKS

- Learn HTML – <https://www.w3schools.com/html/>
- HTML Tags – <https://www.w3schools.com/tags/>
- HTML Attributes – https://www.w3schools.com/tags/ref_attributes.asp

HOMEWORK

- Create a Github profile
- Create a repository
- Clone repository
- Create a profile page in the repository
- Push your code to the repository

WHAT IF I HAVE QUESTIONS

- You can send me your questions @ dev-questions@farjadhabib.com
- I check emails frequently
- I will try to respond within 24 hours
- Github Repository, <https://github.com/farjadhabib/YoutubeCodingLectures>



END OF LECTURE

- Next lecture will be on CSS
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