Starting soon!

Intro to HTML

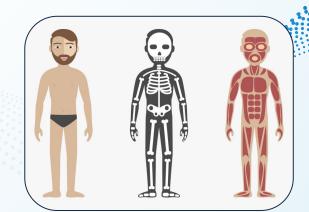


JFSS CS Club 2023 Ali



Introduction

- Websites made up of three languages
- Each manage different aspect
 - Structure HTML (HyperText Markup Language)
 - Looks CSS (Cascading Style Sheets) looks
 - Logic JS (Javascript)
- Focusing on HTML today



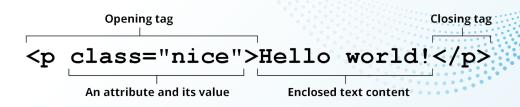
HTML

More about structure



What's in an HTML file?

- Elements
 - Tells browser what to show
 - General structure:
 - Opening tag
 - Attributes
 - Content
 - End Tag





Required Elements

- All sites required to have certain elements:
 - <!DOCTYPE html>
 - Declares file to follow HTML5 standard
 - < <html></html>
 - Root element, indicates start/end of HTML
 - <head></head>
 - Contains metadata about file (ex. title)
 - < <body></body>
 - Contains everything you see on screen



Example HTML

```
000
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My Website</title>
    <link href="mystyle.css" rel="stylesheet">
  </head>
  <body>
      <h1>Hello World!</h1>
     I like turtles
     <img src="..." alt="my image">
      <a href="https://frasercodes.vercel.app">click here!</a>
  </body>
</html>
```



More into Elements

- Examples:
 - Heading 1: <h1></h1>
 - o Paragraph:
 - Anchor / hyperlink: <a>
- Attributes:
 - Provides additional info about elements
 - Varies based on element
 - Ex.
 - img → src, alt
 - $a \rightarrow href$
 - general → width, height, style, title (not <title>!)



Element Syntax

- Keep a / in ending tags
 - o Good: <h1></h1>
 - Bad: <h1><h1>
- Indent when nesting tags
 - Good:

```
<html>
Hello World!
</html>
```

Bad:

```
<html>
Hello World!
</html>
```



Element Attributes

-
- Things to keep in mind:
 - Attribute always lowercase
 - Good:
 - Bad:
 - Why:
 - Value wrapped with quotations (single / double)
 - **Good:**
 - Bad:
 or



Headings

- 6 different sized headings
 - 1 is largest, 6 is smallest
- Element name: h, suffixed with heading number

This is heading 1

This is heading 2

This is heading 3

This is heading 4

This is heading 5

This is heading 6

10



Useful Elements

- Anchor: <a>
 - Hyperlink, links to another page
 - Clickable
 - Link defined using href attribute
- Image:
 - Self-closing tag, no ending bracket
 - Attributes:
 - image source → src
 - alternative text \rightarrow alt
 - width, height
- Button: <button></button</p>
 - Clickable button

Let's get started!

Open up repl.it / preferred editor



https://bit.ly/3CsJlxp