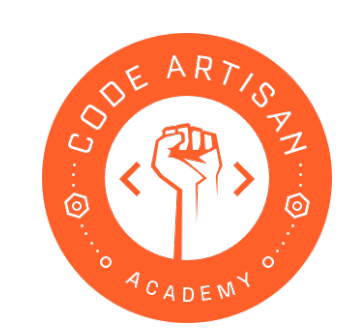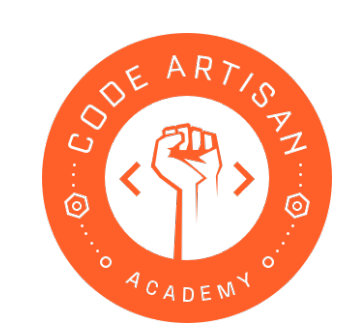# HTML Basic

Full Stack Web Developer
Session 1
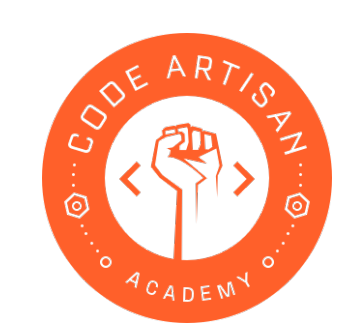
Goals

- Code editor

- Understand the basic HTML
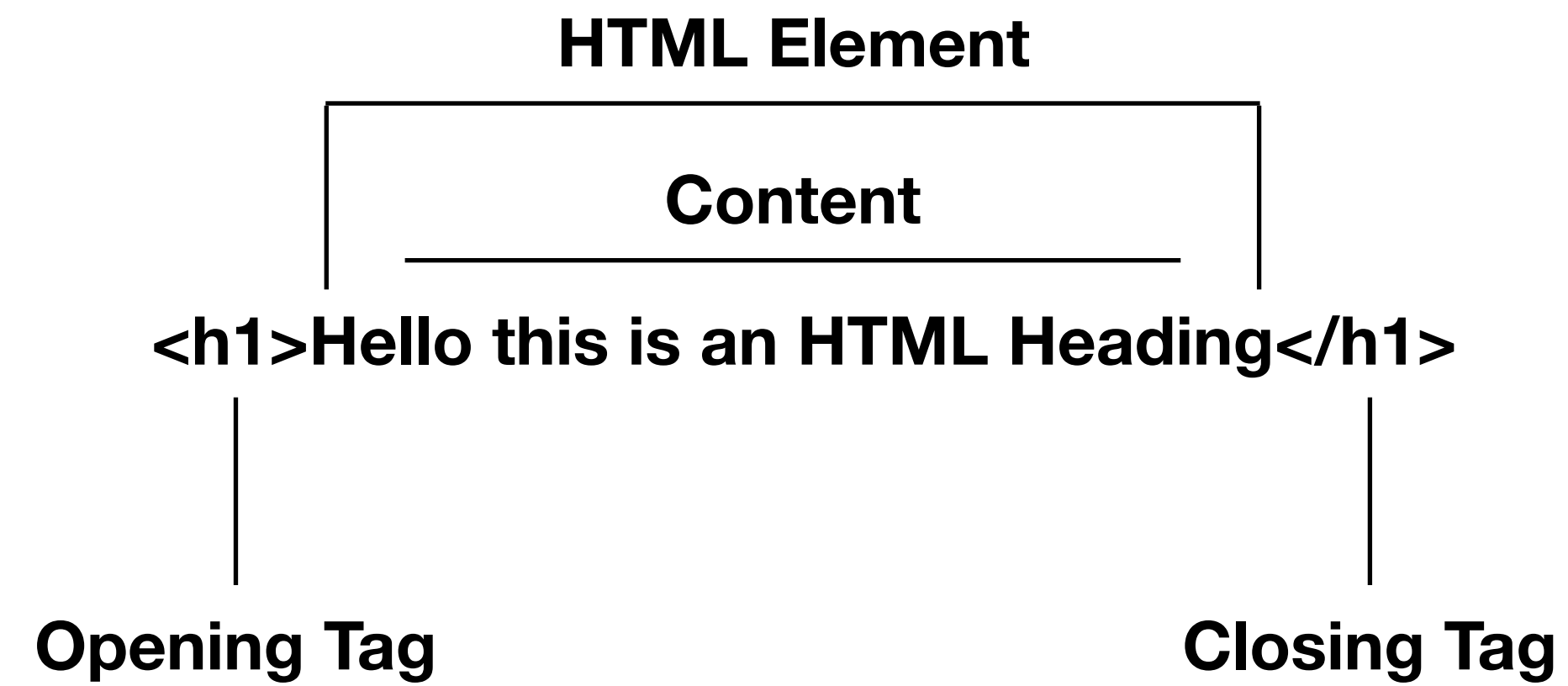
- Use some basic HTML elements

HTML Introduction

- Hypertext Mark-up Language

- It is document language, not a programming language

- Consist of elements (HTML tag) that enclose content
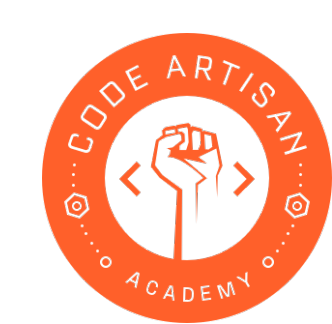
- Actual version is HTML 5

Anatomy of HTML Element

HTML Element

Content

<h1>Hello this is an HTML Heading</h1>

Opening Tag

Closing Tag

Basic Rules

- Not case sensitive but be consistent, so you can use lower or upercase fonts

- Almost all has opening and closing tag

- Tag uses angle bracket <> and the closing tag has /

- They can be nested, example

- HTML file has .html extension
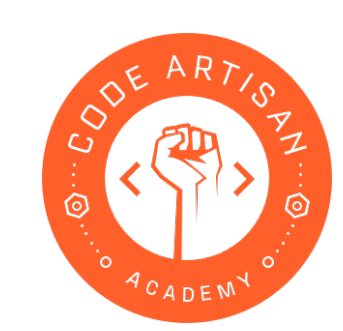
Page Structure

The following structure is a must.

- Declaration <! doctype html >

- <html> tag as the first HTML element

- <head>

  - not displayed on the browser

  - <meta> elements

  - title of the page

  - references to CSS or JavaScript

- <body> contains all elements that displayed on the browser

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
    initial-scale=1.0">
    <title>Document</title>
</head>
<body>

</body>
</html>
```
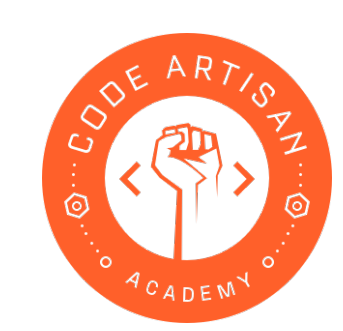
The Job of HTML

To give structure in your document. For example HTML tells which one is a paragraph and which one is a heading

```html
<h1 color="red">Hello World</h1>
<h2>Ini sub heading</h2>
<p>This is a paragraph. <strong> mengatakan</strong>,
</p>
<ul>
    <li>Durian</li>
    <li><h5>Apple</h5>
        <ul>
            <li>Apple Malang</li>
            <li>Apple Hijau</li>
        </ul>
    </li>
    <li>Pisang</li>
</ul>
```
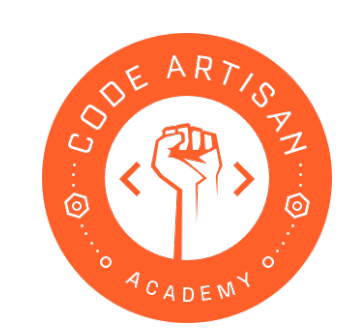
Why We Need Structure

- Easier to read by users

- Search Engine Optimization (SEO)

- Help Screenreader meaningfully read the content

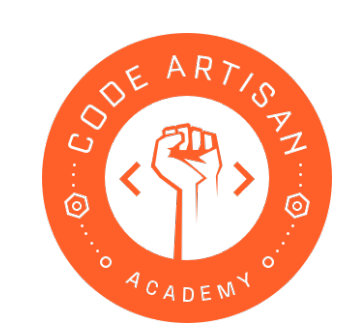- Interaction point to other technologies such as CSS, JavaScript

Basic Elements - Heading

- <h1>…</h1>

- There are 6 levels

- Default styles for heading: bigger size, bold, greater line height
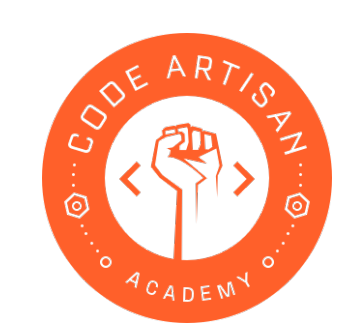
- Example: <h1>This is a heading</h1>

Basic Elements - Paragraph

- <p>…</p>

- To create a paragraph in HTML

- HTML doesn't recognise multiple line-breaks

Basic Elements - List

- …

- List made up from two nested elements

- Each element <ul> or <li> can't stand alone

- There are ordered <ol> and unordered list

Home Work

Please make a website with this content. Use the structure that is similar to the content below.

Summary

• A pneumonia of unknown cause detected in Wuhan, China was first reported to the WHO Country Office in China on 31 December 2019.

• WHO is working 24/7 to analyse data, provide advice, coordinate with partners, help countries prepare, increase supplies and manage expert networks.

• The outbreak was declared a Public Health Emergency of International Concern on 30 January 2020.

• The international community has asked for US$675 million to help protect states with weaker health systems as part of its Strategic Preparedness and Response Plan.

• On 11 February 2020, WHO announced a name for the new coronavirus disease: COVID-19.