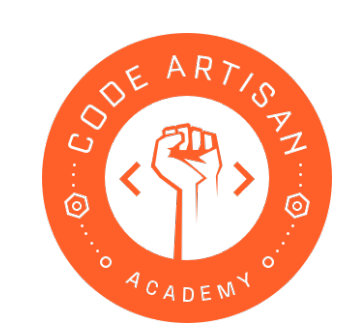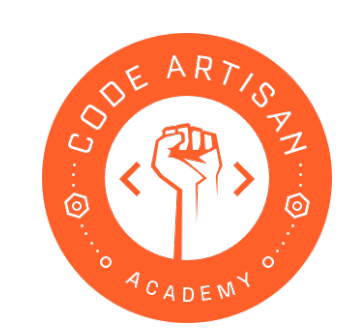# HTML Basic

Full Stack Web Developer
Session 2

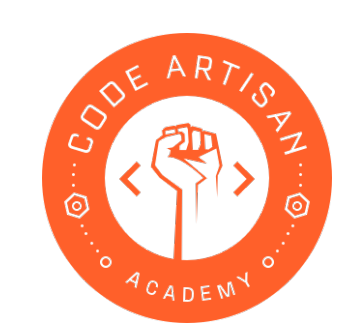# Goals

- Understand the HTML attributes

- Use some basic HTML elements: Images, Link

Anatomy of HTML Element

Key = "Value"

<p id="intro">…</p>

Job of HTML Attributes

- Extend the HTML Tag, e.g. accesskey, loop, maxlength

- Add meta data to, e.g. id, class, name

- Some attributes are required, e.g. src, href

- Some attributes applied only to specific HTML tags

- You can have multiple attributes in a HTML tag

Attribute Extends Functionality

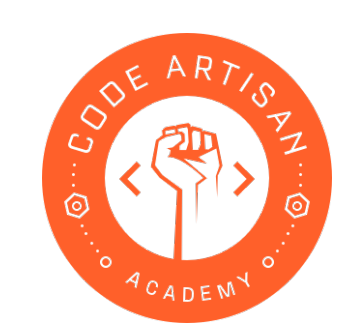Some HTML elements can have some abilities with the use of attribute

- type="password" in input element makes the character become unseen as regular characters

- maxlength="10" makes input elements only accept maximum 10 characters

- target="_blank" in a link make it open the link in a new tab / window
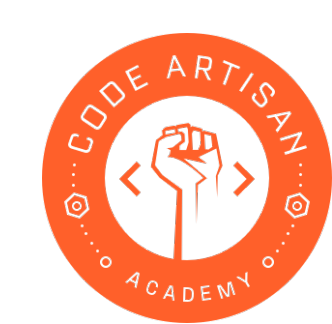
Images

To add image to your HTML page use the following HTML tag

- <img src="file.jpg" alt="an image">

- Image tag doesn't need closing tag, the reason is that the image its self is the content

- Unlike other HTML tags, they format the content, that is why they need closing tag like </p>

- Image tag requires the attribute src, which tell the browser where to get the image from

- Source of image can be local from your own machine / server, or remote from other server. Remote location uses the complete url of the image such as https://static01.nyt.com/images/2020/03/17/world/17virus-tabs-slide-2USB/17virus-tabs-slide-2USB-videoLarge.jpg

Link
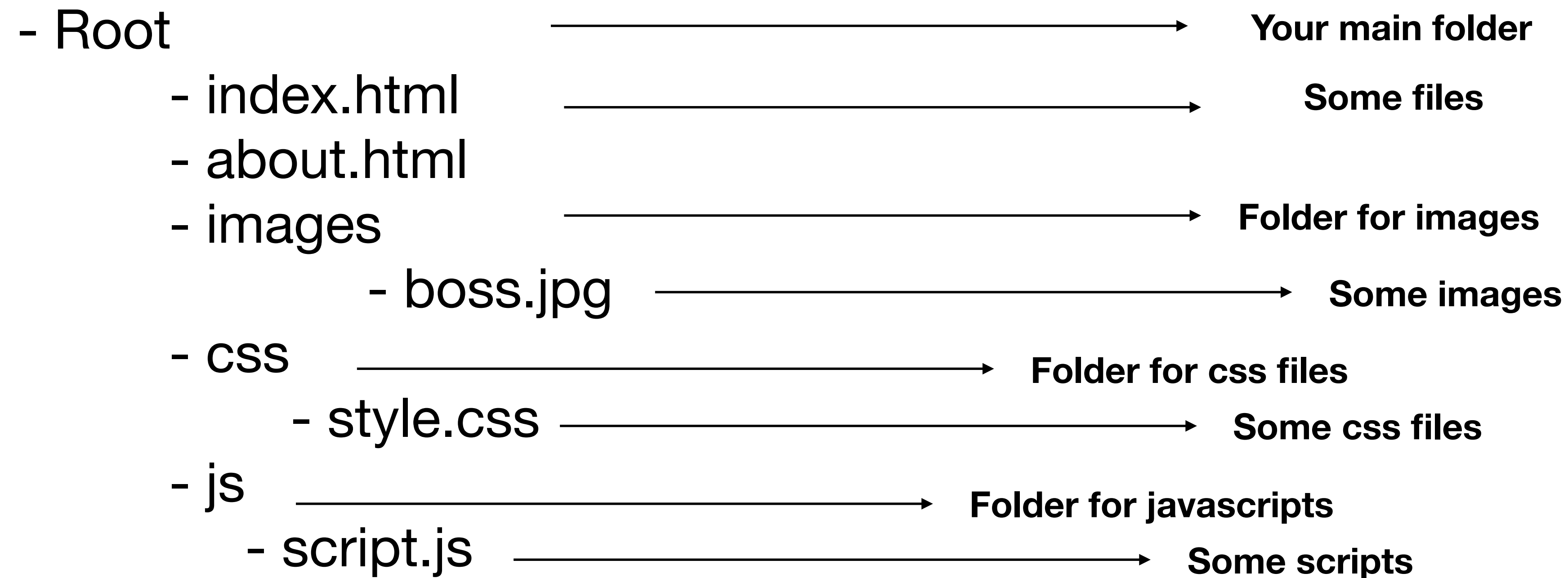
Link connect any content to another location or page. To create a link use the following:
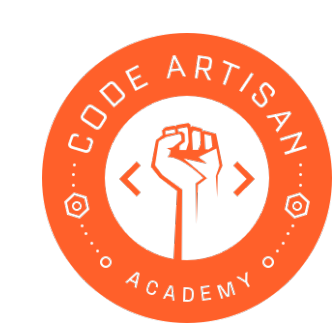
- About Us or Google

- The first link goes to local page. The second goes to a remote page.

- A link has a default style: underlined and blue colored, or purple once it is clicked
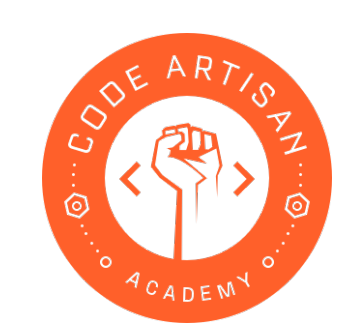
Files Management

We need to organize our files in order
to build our website. The common
structure in a static website:

- Root → **Your main folder**
    - index.html → **Some files**
    - about.html
    - images → **Folder for images**
            - boss.jpg → **Some images**
    - css → **Folder for css files**
        - style.css → **Some css files**
    - js → **Folder for javascripts**
   - script.js → **Some scripts**

Files in HTML

- Some HTML tag need to refer files, such as images, another page for link

- The path can be either relative or absolute

  - <img src="images/photo.jpg"> the file photo.jpg is inside the folder images and that folder is in the same location as the file that has this img tag

  - <img src="../images/photo.jpg"> the file is one folder above from the html file that is using this photo.jpg, so you need to go one folder up using ..

  - <img src="/images/photo.jpg"> this is an absolute path, the file is in the folder images which is located in the root

Block & Inline

- Block break the line and push other content to next line, some examples are <p>, <h1>, <ul>,

- Inline can be nested inside block elements, some examples are <img>, <b>, <strong>, <span>

- Not all block elements can have another block elements inside, you can not have <p> inside a <p> or you can't have <h1> inside <p>
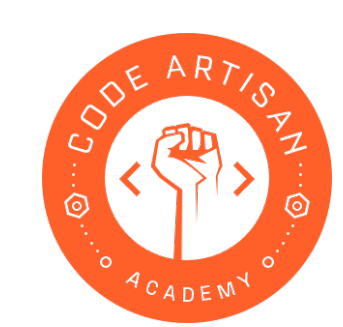
Home Work

Create the page on the right.

Use this for the assets:

Image: https://fajar.co.id/wp-content/uploads/2017/08/istana-bogor.jpeg

Source: https://en.wikipedia.org/wiki/Bogor_Palace