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Course Name: O Level (1ST Sem)   **Subject:** Web Designing and Publishing
Topic: HTML Basics - 1   **Date:** 19-03-2020

HTML Basics

What is HTML?

HTML is the standard markup language for creating Web pages.

- HTML stands for Hyper Text Markup Language
- HTML describes the structure of a Web page
- HTML elements are represented by tags
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
  - The `<!DOCTYPE html>` declaration defines this document to be HTML
  - The `<html>` element is the root element of an HTML page
  - The `<head>` element contains meta information about the document
  - The `<title>` element specifies a title for the document
  - The `<body>` element contains the visible page content
  - The `<h1>` element defines a large heading
  - The `<p>` element defines a paragraph

A Simple HTML Document Example

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```

HTML Tags

HTML tags are element names surrounded by angle brackets '<>':
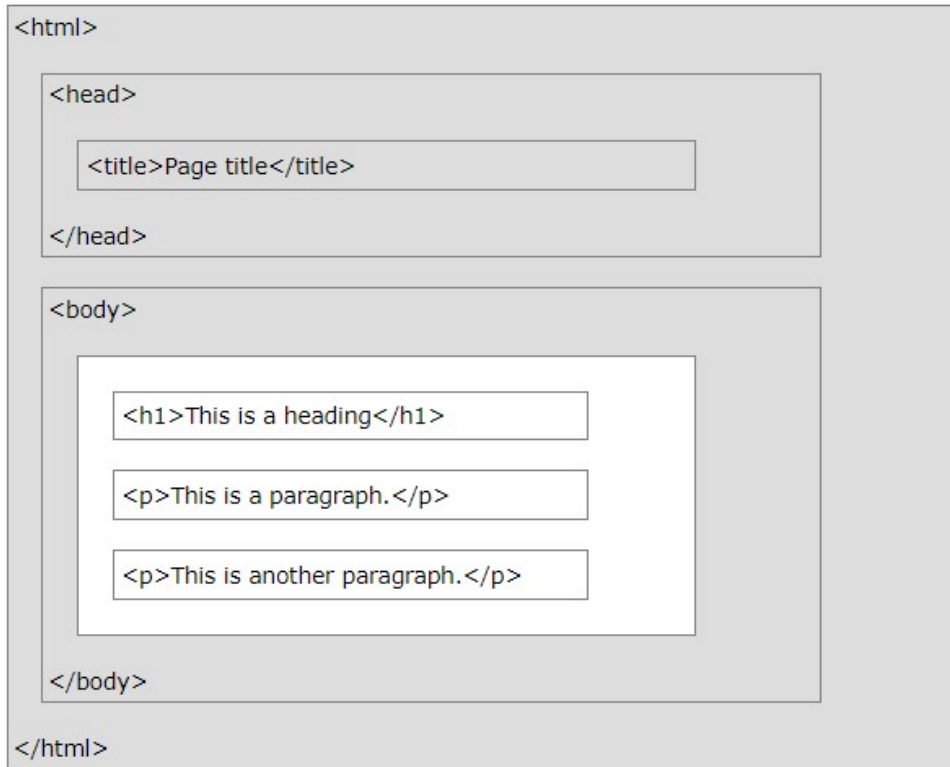
<tagname>content goes here...</tagname>

Tags are two types of tag.

1. Container tag: It have the **start** tag and the **end** tag both in a pair.
2. Empty tag: It have the **start** tag only.

Notes: HTML tags normally come **in pairs** like `<p>` and `</p>` . The first tag in a pair is the **start tag,** the second tag is the **end tag.** The end tag is written like the start tag, but with a **forward slash** inserted before the tag name

HTML Page Structure

Below is a visualization of an HTML page structure:

```
<html>

    <head>

        <title>Page title</title>

    </head>

    <body>

            <h1>This is a heading</h1>

            <p>This is a paragraph.</p>

            <p>This is another paragraph.</p>


    </body>

</html>
```
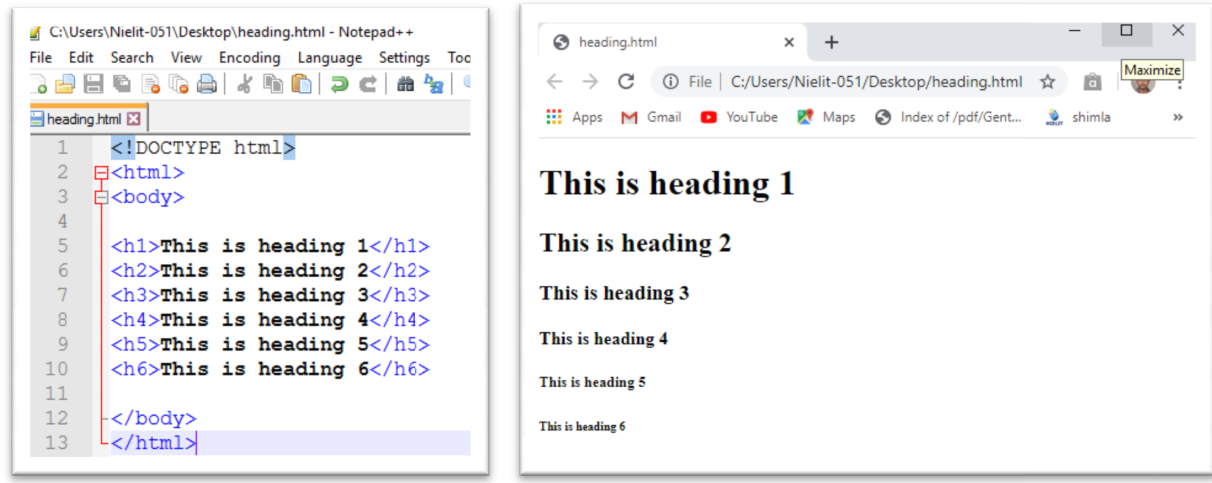
Output :

```
index.htm          ×

← → C   file:///C:/Users/myuser/Desktop/index.htm          ≡

My First Heading

My first paragraph.
```

HTML Headings

HTML headings are defined with the `<h1>` to `<h6>` tags.

`<h1>` defines the most important heading. `<h6>` defines the least important heading:

Example

HTML Paragraphs

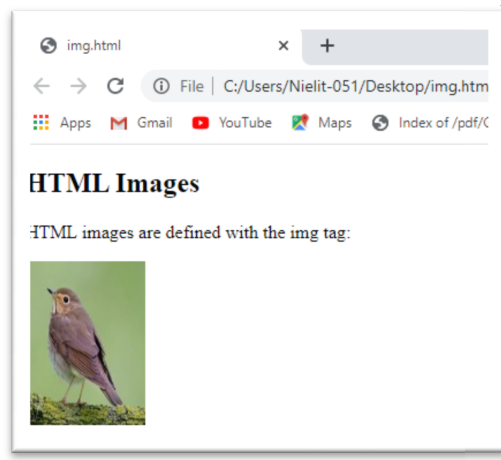HTML paragraphs are defined with the `<p>` tag:

Example
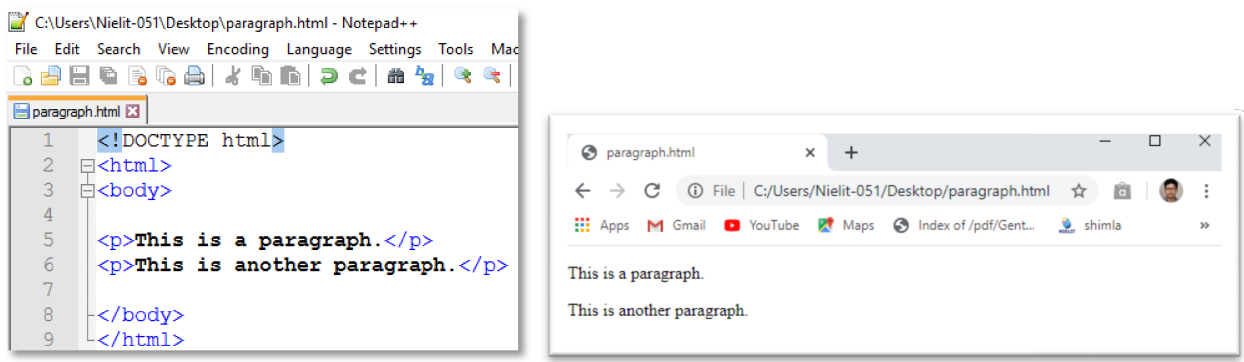
HTML Images

HTML images are defined with the `<img>` tag.

The source file (`src`), alternative text (`alt`), `width`, and `height` are provided as attributes:
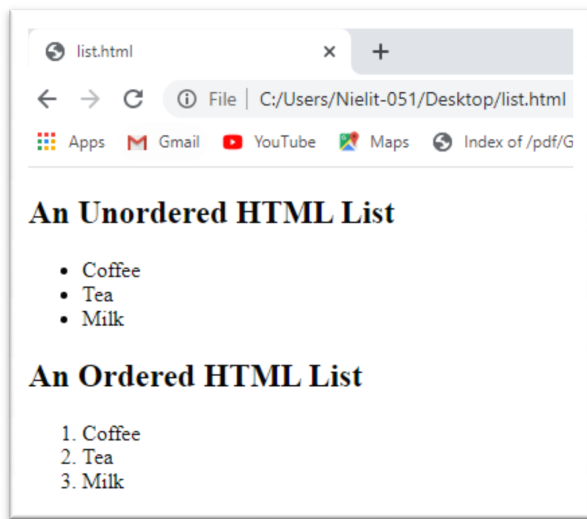
Example

HTML Lists

HTML lists are defined with the `<ul>` (unordered/bullet list) or the `<ol>` (ordered/numbered list) tag, followed by `<li>` tags (list items):

Example

Exercise:

1. What is HTML?
2. What is tag?
3. What are the common attribute of <img > tag?