

# Web Technologies

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# Lesson Overview

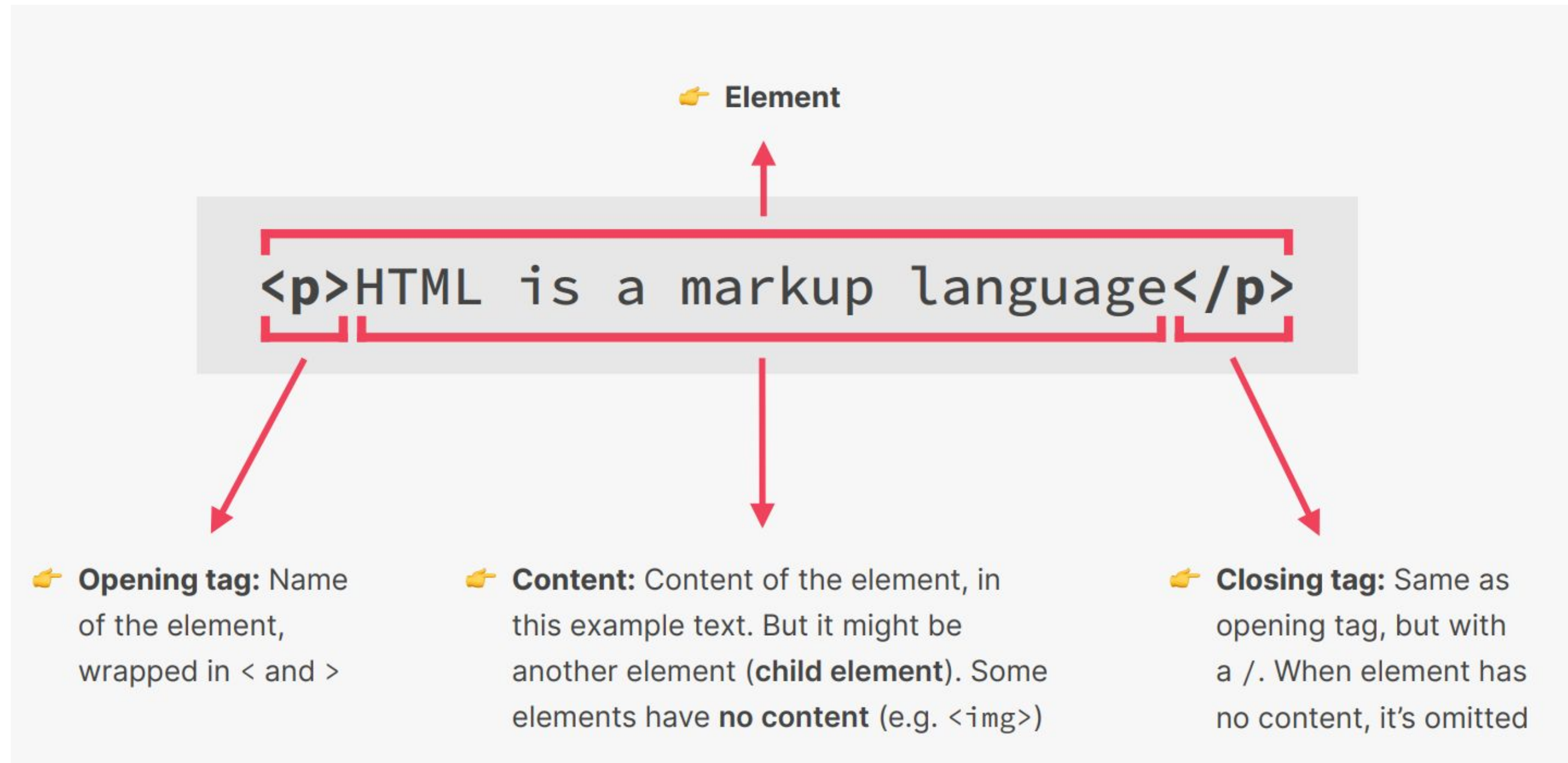
You will learn about ...

- Introduction to HTML
- HTML document structure
- Text elements
- Lists
- Image and Attribute
- Hyperlinks
- Table
- Structuring page

# What is HTML?

- HyperText Markup Language
- HTML is a markup language that web developers use to structure and describe the content of a web page (not a programming language)
- HTML consists of elements that describe different types of content such as paragraphs, links, headings, images, videos, etc.

# Anatomy of an HTML element



# HTML Document Structure

- `<!DOCTYPE html>` - defines that the document is an HTML5 document
- `<head>` - root element of an HTML page
- `<title>` - specifies the title of the HTML page
- `<body>` - container of all visible elements like headings, paragraphs, images, etc

# Text Elements

- Headings

- It can be defined with `<h1>` to `<h6>` tags.

- `<h1>Hello</h1>`
    - `<h2>World</h2>`
    - ...
    - `<h6>Letran</h6>`



# Text Elements

- Paragraph
  - It always starts on a new line, and usually a block of text
  - `<p>This is a sample sentence.</p>`

# Text Elements

- Comments
  - It doesn't display in the browser, but can be used to document your HTML source code.
  - `<!-- Write your comments here-->`



# Text Elements

- Ordered List
  - It allows you to group a set of related items.
  - Items will be marked with numbers.

```
<ol>
```

```
<li>Dog</li>
```

```
<li>Cat</li>
```

```
<li>Lion</li>
```

```
</ol>
```

# Text Elements

- Unordered List

- It allows you to group a set of related items.
- It will be marked with bullets.

```
<ul>
```

```
<li>Dog</li>
```

```
<li>Cat</li>
```

```
<li>Lion</li>
```

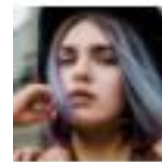
```
</ul>
```

# Text Formatting

- `<b>` Bold text
- `<strong>` Highlight important text
- `<em>` Emphasize important text
- `<small>` Smaller text
- `<del>` Delete text
- `<sub>` Subscript text
- `<sup>` Superscript text

# Image and Attribute

- It can be used to embed an image in a web page
  - ``



Posted by Laura Jones on Monday, June 21st 2027

```
http://www.google.com/chrome" target="_blank">
<!--HEADER BOXED FONT WHITE TRANSPARENT-->
<div class="header-black-bg"></div>
<!--NEED FOR TRANSPARENT HEADER ON MOBILE-->
<header id="nav" class="header header-1 header-black bg-transparent">
<!--FEATURES 7 HALF IMG-->
<div class="page-section bg-gray-light clearfix">
  ::before
  <div class="fes7-img-cont col-md-1">
    <div class="fes7-img" style="background-image: url(assets/img/fes7.jpg)">
  </div>
  <div class="container">
  ::after
</div>
```

# Hyperlinks

- `<a>` defines a hyperlink (anchor element)
  - `<a href="url">Link text</a>`
- Linked page will be displayed in the current browser window
- It enables world wide web

# Table

- It consists of table cells inside rows and columns.

```
<table>
  <tr>
    <th>Name</th>
    <th>Age</th>
    <th>Course</th>
  </tr>
  <tr>
    <td>Juan dela Cruz</td>
    <td>18</td>
    <td>IT</td>
  </tr>
  <tr>
    <td>Joan Cruz</td>
    <td>19</td>
    <td>CS</td>
  </tr>
</table>
```



# Structuring Page

- `<nav>` - group navigation elements together
- `<header>` - group top part of a web document
- `<article>` - group article elements together
- `<aside>` - group second information of a page
- `<footer>` - group footer elements together