

IF120203-Web Programming

# 01: HTML

PRU/SPMI/FR-BM-18/0222

PRADITA UNIVERSITY



# Goals

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- To learn about computers and programming
- To understand the basics of HTML and web development
- To create and style web pages using HTML and CSS
- To learn how to structure content on a web page with HTML elements

# Introduction to HTML

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- HTML (HyperText Markup Language) is the standard markup language for creating web pages and web applications.
- It defines the structure and layout of a web page using a system of markup tags and attributes.
- HTML documents consist of a series of elements, each represented by a pair of tags, such as '`<p>`' for paragraphs or '`<h1>`' for headings.
- Elements can contain text, images, multimedia, and other types of content.

# Basic HTML Structure

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```
<!DOCTYPE html>
<html>
<head>
  <title>My First HTML Page</title>
</head>
<body>
  <h1>Hello , World!</h1>
  <p>This is my first HTML page.</p>
</body>
</html>
```

# HTML Elements

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- '`<h1>`', '`<h2>`', '`<h3>`'... - Headings
- '`<p>`' - Paragraphs
- '`<a>`' - Links
- '`<img>`' - Images

# HTML Code - Part 1

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Document</title>
  <link rel="stylesheet" href="assets/css/reset.css" />
  <link rel="stylesheet" href="assets/css/converter.css" />
</head>
<body>
```

# HTML Code - Part 2 (First)

```
<div class="container">
  <div class="left-section">
    <h1>Currency Converter</h1>
    <div class="amount-wrapper">
      <label for="amount">Amount</label>
      <input type="number" id="amount" />
    </div>
    <div class="converter-wrapper">
      <div class="from-converter-wrapper">
        <label for="from">From</label>
```

# HTML Code - Part 2 (Second)

```
<select name="from" id="from">
    <option value="gbp">IDR - Indonesia Rupiah</option>
    <option value="usd">USD - United States Dollar</option>
    <option value="eur">EUR - Euro Member Countries</option>
    <option value="gbp">GBP - United Kingdom Pound</option>
</select>
</div>
<div class="buttons">
    <button id="reverse">Reverse</button>
</div>
```



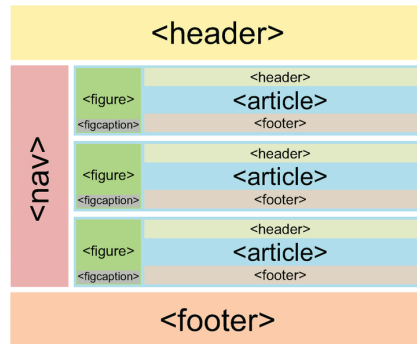
# HTML Code - Part 2 (Third)

```
<div class="to-converter-wrapper">  
  <label for="to">To</label>  
  <select name="to" id="to">  
    <option value="gbp">IDR - Indonesia Rupiah</option>  
    <option value="usd">USD - United States Dollar</option>  
    <option value="eur">EUR - Euro Member Countries</option>  
    <option value="gbp">GBP - United Kingdom Pound</option>  
  </select>  
</div>  
</div>  
<div class="buttons">  
  <button id="convert">Convert</button>  
</div>  
</div>
```

# HTML Code - Part 3

```
<div class="right-section">
  <!-- Label for result -->
  <div class="result-wrapper">
    <label class="result">$ 100</label>
    <label class="currency">USD</label>
  </div>
  <div class="result-wrapper">
    <label class="result">Rp 1.500.000</label>
    <label class="currency">IDR</label>
  </div>
  <label class="exchange-rate">1 USD = 15.000 IDR</label>
</div>
</div>
</body>
</html>
```

HTML elements are used to describe the structure and content of a web page. Each element has a specific purpose and can contain other elements or text. By combining different elements, you can create complex and interactive web pages.



**Thank You**

