**HTML Notes**

**1. Introduction 📝**

HTML = HyperText Markup Language

Purpose: Creates and structures web pages

**2. Basic Structure of HTML Document**

<!DOCTYPE html>

<html>

<head>

<title>Page Title</title>

<meta charset="UTF-8">

</head>

<body>

*<!-- Content goes here -->*

</body>

</html>

**3. Essential HTML Tags 🏷️**

**Text Elements**

*<!-- Headings -->*

<h1>Main Heading</h1>

<h2>Sub Heading</h2>

...to <h6>

*<!-- Paragraph -->*

<p>This is a paragraph</p>

*<!-- Text formatting -->*

<strong>Bold text</strong>

<em>Italic text</em>

<br> *<!-- Line break -->*

<hr> *<!-- Horizontal line -->*

**Links and Media**

*<!-- Links -->*

<a href="https://example.com">Click here</a>

<a href="https://example.com" target="\_blank">Open in new tab</a>

*<!-- Images -->*

<img src="image.jpg" alt="Description">

*<!-- Video -->*

<video src="video.mp4" controls>

Your browser doesn't support video

</video>

**Lists**

*<!-- Unordered list -->*

<ul>

<li>Item 1</li>

<li>Item 2</li>

</ul>

*<!-- Ordered list -->*

<ol>

<li>First item</li>

<li>Second item</li>

</ol>

**4. Tables**

<table>

<tr> *<!-- Table row -->*

<th>Header 1</th> *<!-- Table header -->*

<th>Header 2</th>

</tr>

<tr>

<td>Data 1</td> *<!-- Table data -->*

<td>Data 2</td>

</tr>

</table>

**5. Forms**

<form action="/submit" method="POST">

*<!-- Text input -->*

<input type="text" name="username">

*<!-- Password -->*

<input type="password" name="password">

*<!-- Submit button -->*

<input type="submit" value="Submit">

</form>

**6. Common Semantic Elements**

<header> *<!-- Page header -->*

<nav> *<!-- Navigation -->*

<main> *<!-- Main content -->*

<article> *<!-- Independent content -->*

<section> *<!-- Grouped content -->*

<footer> *<!-- Page footer -->*