

HTML Comprehensive Notes

Level 1: HTML Basics

What is HTML?

HTML stands for **Hyper Text Markup Language**. It is the standard markup language used to create web pages. HTML elements are the building blocks of web pages and consist of tags and content.

Basic Structure of an HTML Document

An HTML document has a defined structure:

html

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```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Your Page Title</title>
```

```
</head>
```

```
<body>
```

```
  <h1>Welcome to My Website</h1>
```

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

```
</body>
```

```
</html>
```

- **<!DOCTYPE html>**: Declares the document type and version of HTML.
- **<html>**: The root element of an HTML page.
- **<head>**: Contains meta-information about the document (like the title).
- **<body>**: Contains the content of the document.

Headings

HTML has six levels of headings, <h1> being the largest and <h6> the smallest. Headings are important for document structure and SEO.

Lists

There are two types of lists in HTML:

- **Ordered List ()**: For numbered items.
- **Unordered List ()**: For bulleted items. Example:

html

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```
<ul>
  <li>Item 1</li>
  <li>Item 2</li>
</ul>
```

Links and Images

- **Links:** Use the <a> tag to create hyperlinks.

html

Copy code

```
<a href="https://www.example.com">Visit Example</a>
```

- **Images:** Use the tag to embed images.

html

Copy code

```

```

Comments

Comments in HTML are written as:

html

Copy code

```
<!-- This is a comment -->
```

They are not displayed in the browser but are useful for documenting code.