

# Module 1

## Introduction to Web Development & HTML Basic

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# Agenda

- **STRUCTURE OF AN HTML DOCUMENT**
- **BASIC HTML ELEMENTS**
- **LISTS**
- **ADDING LINKS, IMAGES, AND BUTTONS**

# What is HTML?

HTML (Hyper Text Markup Language ) is the most basic building block pf the web. It define teh meaning and structure of web content other technologies beside HTML are generally used to describe a web page's apperance/persentation (CSS) or functionally/behavior (javascript)

# 1. STRUCTURE OF AN HTML DOCUMENT

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>My First Webpage</title>
```

```
</head>
```

```
<body>
```

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

```
    <p>This is a simple webpage.</p>
```

```
</body>
```

```
</html>
```



# Explanation



`<!DOCTYPE html>` : Declares the document type.

`<html>` : The root element.

`<head>` : Contains meta-information (title, links, scripts).

`<title>` : Sets the title of the webpage.

`<body>` : Contains the visible content.

# Basic HTML Elements



## Headings, Paragraphs, and Text Formatting:

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```
<h1>Heading 1</h1>
```

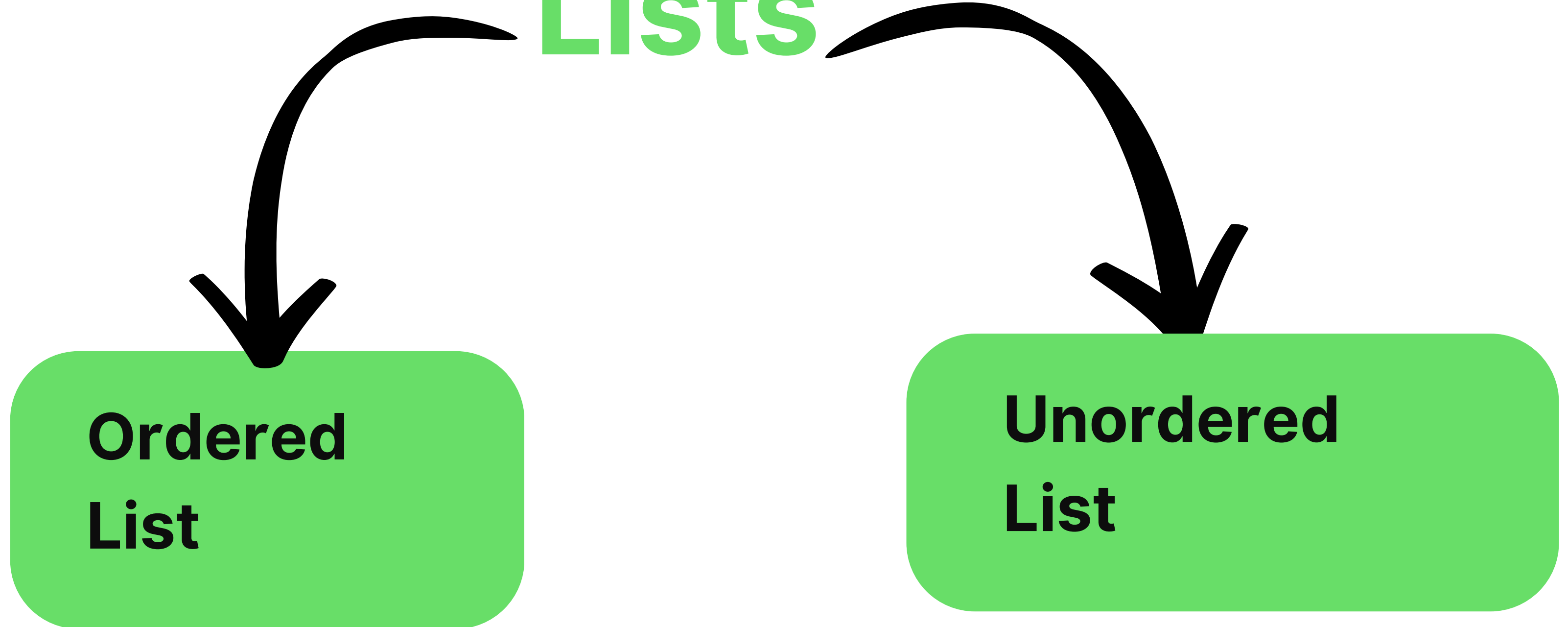
```
<h2>Heading 2</h2>
```

```
<p>This is a paragraph. <strong>Bold text</strong> and <em>italic text</em>.</p>
```

```
...
```

- ``<h1>`` to ``<h6>``: Headings (largest to smallest).
- ``<p>``: Paragraphs.
- ``<strong>``: Bold text.
- ``<em>``: Italic text.

# Lists



# Ordered List:

```
'''html
```

```
<ol>|
```

```
<li>First item</li>
```

```
<li>Second item</li>
```

```
</ol>
```

```
'''
```



# Unordered List:

```
` `` `html
```

```
<ul>
```

```
<li>Item one</li>
```

```
<li>Item two</li>
```

```
</ul>
```

# Explanation



- `<ol>` : Ordered list (numbered).
- `<ul>` : Unordered list (bullets).
- `<li>` : List item.

**Link**

**Image**

**Buttons**



# Link

```
```html
```

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

```
```
```



# image



```
```html
```

```

```

```
```
```

# Button



```
'''html
```

```
<button>Click Me</button>
```

```
'''
```

- `<a>` : Creates hyperlinks.
- `<img>` : Embeds images.
- `<button>` : Creates clickable buttons.

# HTML Tags

## HEAD TAGS

`<title>`

`<meta>`

`<script>`

`<style>`

## Content Tags

`<h1>` to `<h6>`

`<p>`

`<span>`

`<strong>`

`<div>`

`<em>`

## List Tags

`<ul>`

`<ol>`

`<li>`

`<dl>`

`<dd>`

# More Important Tags

| Empty Tags |
|------------|
| <br>       |
| <hr>       |
| <img>      |
| <input>    |
| <link>     |
| <meta>     |



| Multimedia<br>Tags |
|--------------------|
| <audio>            |
| <video>            |
| <source>           |
| <embed>            |
| <track>            |
| <iframe>           |

| Attribute Tags |
|----------------|
| id             |
| class          |
| width          |
| height         |

# Thank You!



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