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# Agenda

- HTML Anatomy
  - Media Elements (Audio, Video, and Iframe) with All Attributes
  - Tables with All Attributes
- 

## Basic HTML Anatomy

The structure of an HTML document ensures browsers interpret it correctly. It consists of the `<!DOCTYPE html>` declaration

```
<!DOCTYPE html>
<html>
<head>
  <title>Basic HTML Page</title>
</head>
<body>
  <h1>Welcome!</h1>
</body>
</html>
```

## Link Elements

The `<a>` tag (anchor tag) is used to create hyperlinks, allowing navigation to other pages or resources.

```
<!-- Link to another page on the same site →
```

```
<a href="about.html">About Us</a>
```

```
<link rel="shortcut icon" href="favicon.ico" type="image/x-icon">
```

## Media Elements: Audio

The `<audio>` tag is used to embed audio content in a webpage. Key attributes:

- `controls`: Adds playback controls.
- `autoplay`: Starts playing the audio automatically.
- `loop`: Replays the audio in a loop.
- `muted`: Starts the audio in a muted state.
- `preload`: Indicates how much of the audio should be loaded (auto, metadata, none).

```
<audio controls>
  <source src="audio.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>
```

## Media Elements: Video

The `<video>` tag is used to embed video content in a webpage. Key attributes:

- `controls`: Adds playback controls.
- `autoplay`: Starts playing the video automatically.
- `loop`: Replays the video in a loop.
- `muted`: Starts the video in a muted state.
- `preload`: Indicates how much of the video should be loaded (auto, metadata, none).
- `poster`: Displays an image before the video plays.

```
<video controls poster="poster.jpg">  
  <source src="video.mp4" type="video/mp4">  
  Your browser does not support the video element.  
</video>
```

## Media Elements: Iframe

The `<iframe>` tag is used to embed external content (like videos or websites) in a webpage. Key attributes:

- `src`: Specifies the source URL.
- `width`: Defines the width of the iframe.
- `height`: Defines the height of the iframe.
- `allowfullscreen`: Allows full-screen mode for embedded content.
- `frameborder`: Specifies whether the iframe should have a border (deprecated).

```
<iframe src="https://example.com" width="600" height="400" allowfullscreen>  
</iframe>
```



## Tables: Overview

Tables are created using the `<table>` tag, with rows (`<tr>`) and cells (`<td>/<th>`). Common attributes:

- `border`: Adds a border to the table.
- `cellspacing`: Specifies the space between cells.
- `cellpadding`: Specifies padding inside cells.
- `width`: Defines the width of the table.
- `align`: Aligns the table (left, right, center).
- `bgcolor`: Sets the background color (deprecated; use CSS instead).

## Tables: Overview

```
<table border="1" cellspacing="5" cellpadding="10">  
  <tr>  
    <th>Name</th>  
    <th>Age</th>  
  </tr>  
  <tr>  
    <td>John</td>  
    <td>30</td>  
  </tr>  
</table>
```

## Tables: Advanced Attributes

Advanced table attributes include:

- colspan: Merges multiple columns into one.
- rowspan: Merges multiple rows into one.
- scope: Improves accessibility by defining header cell scope (row, col).
- headers: Associates cells with corresponding headers.

```
<table border="1">
  <tr>
    <th scope="col">Name</th>
    <th scope="col">Age</th>
  </tr>
  <tr>
    <td colspan="2">Merged Cell</td>
  </tr>
</table>
```

THANK YOU

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